

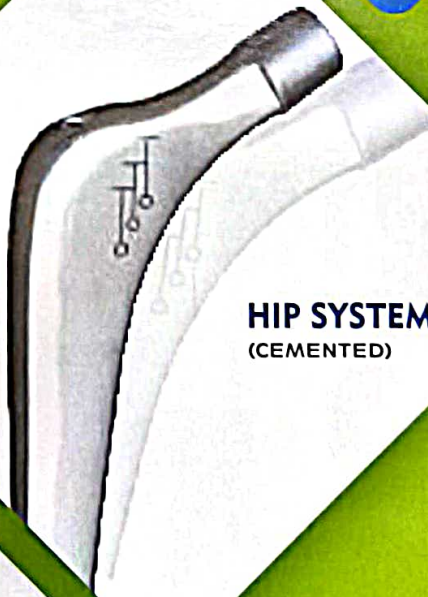


PVT. LTD.
(Improving Patient's Lives)

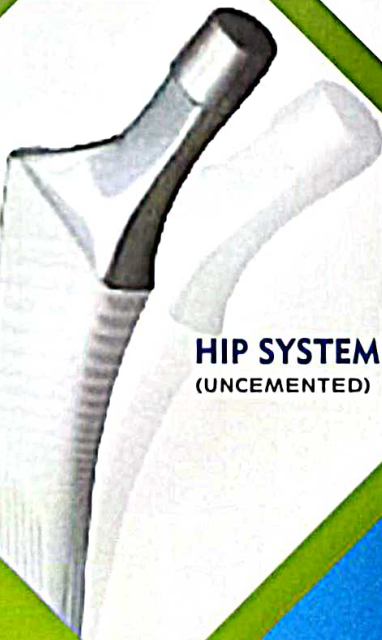


**TOTAL KNEE
PROSTHESIS**
PRIMARY

**REVISION HIP
SYSTEM**
(UNCEMENTED)



HIP SYSTEM
(CEMENTED)



HIP SYSTEM
(UNCEMENTED)

A COMPANY OF
ORTHO | NEURO | SPINE
IMPLANTS AND INSTRUMENTS



ABOUT US

NIRA SURGICALS PVT LTD :

NIRA SURGICALS was established in the year of 2008. Our aims at providing world class Orthopaedic/Spine/Neuro implants & All types of imported and Indian instruments at the affordable cost. Designed in line with statutory and regulatory requirements, our range is widely acknowledged for highly sterilized, safe to use, corrosion proof, application specific design and reliability. We have constantly been updating our knowledge strength and company profile as well NIRA SURGICALS PVT.LTD. (2020). Also, as technical strength for producing supreme range of the premium quality products in Ortho/Spine Implants and Instruments' segment. We established with a vision to become an indigenous manufacture & nationwide Supplier of a wide verity of Orthopaedic/ Spine/Neuro implants & All types of imported and Indian instruments, including trauma and rehabilitative appliance that measure up to high standards of quality. The company has grown many leaps forwards to fulfil the requirement of the medical professional and the dedication of the company's professionals accelerated Ortho Surgical Company to Become one of the prime manufacturers of orthopaedic/Spine implants and All types of imported and Indian instruments. Because of the stringent quality measures adopted by the company, our products got self-introduced in the export marketing in a big way. The growing demand for our products in the international market.

Quality :

Quality has been the hallmark of success for the company. It manufactures implants made of 316 & 316L grade stainless steel as per BIS specification. All products marketed by the company undergo rigorous quality surveillance. The company has been keenly observing new trend of the international markets and is regularly updating itself regarding new technologies. Now, the company is able to compete in local, as well as international markets and has confidently consolidated its position in the business.

Managment :

Our team comprises highly **motivated** members like managers, designers, product developers, marketing team, Sales team, logistics team, and more! Our senior management believes in the philosophy of driven by patients, focused by medical practitioners. We have always tried to develop products with international standards within the criteria of affordability.

Be it the top most management or the youngest member of the nira family, one thing is common in all of us: 'passion to achieve more and more milestones that makes the lives of patients healthier and happier day by day, minute by minute, moment by moment!'



PVT. LTD.
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PRIMARY

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ACETABULAR CUP18



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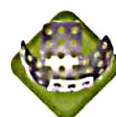
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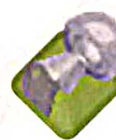
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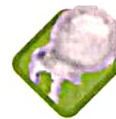
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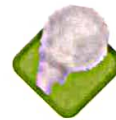
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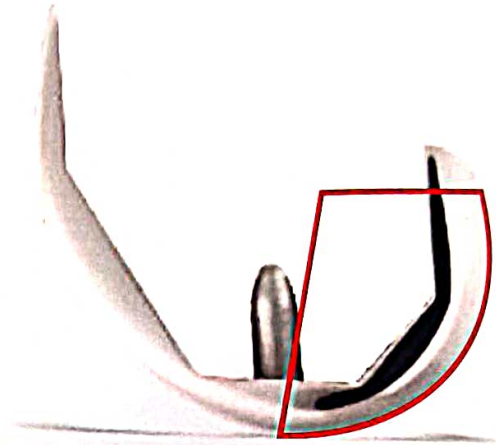
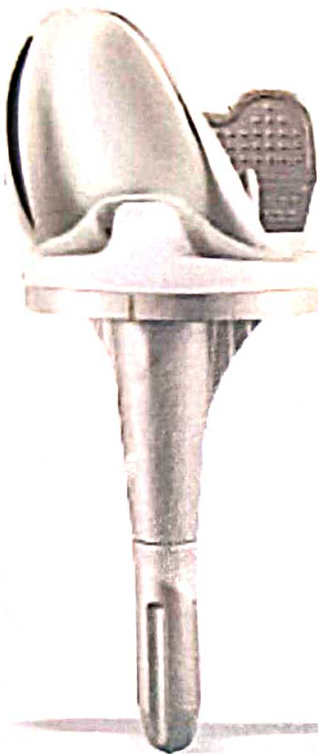
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Characteristics

Entice System is available in both posterior stabilized (PS) and Cruciate Retaining (CR) versions, in Cemented.

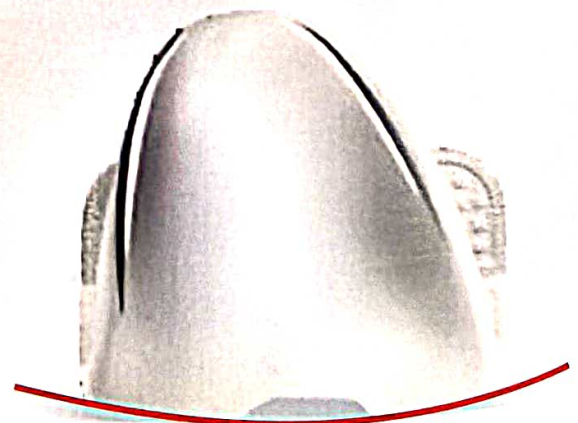
The Radius of Curvature is constant from Deep Extension to Hyperflexion.



The Anatomical Trochlea Groove (Angled 6°), has a Long thin Proximal end.

The Femoral and Tibial components design allows Internal and External Femoral rotation.

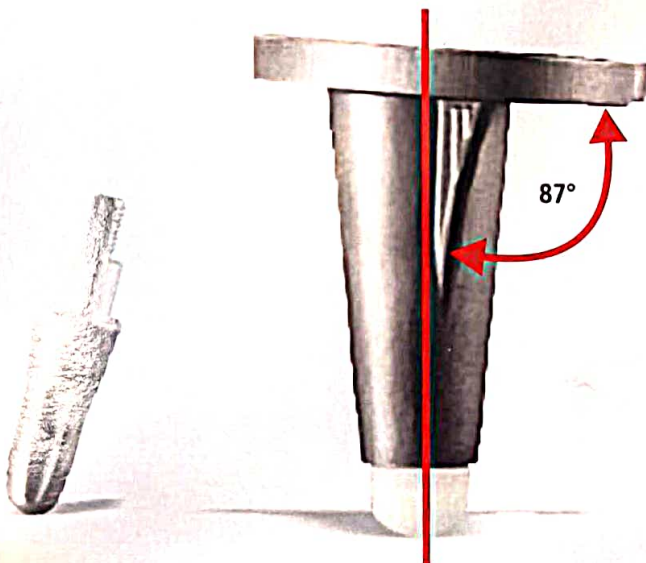
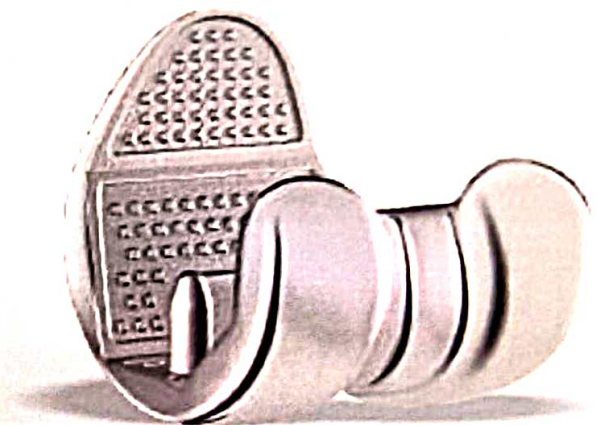
The Single Medio-Lateral Radius on the Femoral component increases Femoro-Tibial Congruence.



Components

The similarity between PS and CR Femoral resection allows choosing, during Operative time what kind of Femoral component to implant..

An Intracondylar with early Engagement on the Tibial bearing during Flexion ensures Postero-Stabilisation and replication of the natural Femoral rollback.



Tibial extension Stems available in 2 sizes.
(Ø12x35 and Ø14x45)



Cemented patella component is available in four sizes.

Main Indications

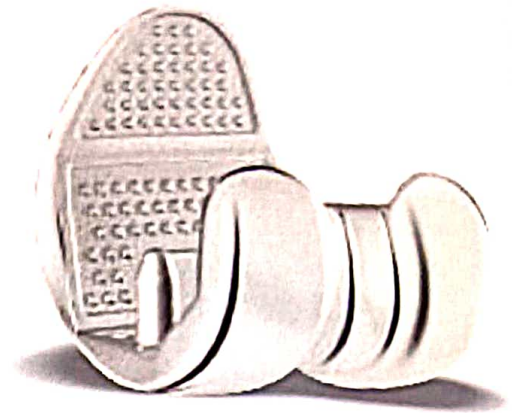
- Osteoarthritis
- Chronic Rheumatoid Arthritis
- Deformities : Genu Varum and Valgus

TOTAL KNEE PROSTHESIS PRIMARY



Femoral Component (Cemented Fixed)

MATERIAL	CO.CR		CR	
	PS		CR	
SIZE	LEFT	RIGHT	LEFT	RIGHT
1	SP05.TKR0004-L	SP05.TKR0039-L	SP05.TKR0023-L	SP05.TKR0057-L
2	SP05.TKR0005-L	SP05.TKR0040-L	SP05.TKR0024-L	SP05.TKR0058-L
3	SP05.TKR0006-L	SP05.TKR0041-L	SP05.TKR0025-L	SP05.TKR0059-L
4	SP05.TKR0007-L	SP05.TKR0042-L	SP05.TKR0026-L	SP05.TKR0060-L
5	SP05.TKR0008-L	SP05.TKR0043-L	SP05.TKR0027-L	SP05.TKR0061-L
6	SP05.TKR0009-L	SP05.TKR0044-L	SP05.TKR0028-L	SP05.TKR0062-L
7	SP05.TKR0010-L	SP05.TKR0045-L	SP05.TKR0029-L	SP05.TKR0063-L
8	SP05.TKR0020-L	SP05.TKR0046-L	SP05.TKR0030-L	SP05.TKR0064-L



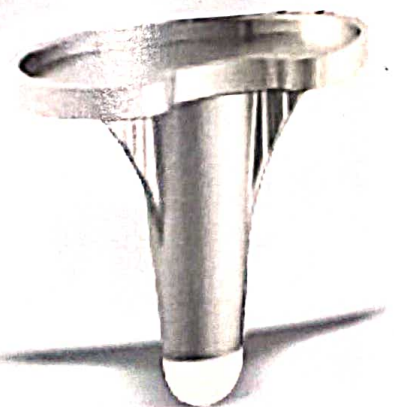
Tibial Insert

MATERIAL	UHMWPE											
	9MM		11MM		13MM		15MM		18MM		21MM	
SIZE	PS	CR	PS	CR	PS	CR	PS	CR	PS	CR	PS	CR
1	SP05.TKR3474-U	SP05.TKR3551-U	SP05.TKR3482-U	SP05.TKR3559-U	SP05.TKR3490-U	SP05.TKR3567-U	SP05.TKR3498-U	SP05.TKR3575-U	SP05.TKR3506-U	SP05.TKR3583-U	SP05.TKR3514-U	SP05.TKR3591-U
2	SP05.TKR3475-U	SP05.TKR3552-U	SP05.TKR3483-U	SP05.TKR3560-U	SP05.TKR3491-U	SP05.TKR3568-U	SP05.TKR3499-U	SP05.TKR3576-U	SP05.TKR3507-U	SP05.TKR3584-U	SP05.TKR3515-U	SP05.TKR3592-U
3	SP05.TKR3476-U	SP05.TKR3553-U	SP05.TKR3484-U	SP05.TKR3561-U	SP05.TKR3492-U	SP05.TKR3569-U	SP05.TKR3500-U	SP05.TKR3577-U	SP05.TKR3508-U	SP05.TKR3585-U	SP05.TKR3516-U	SP05.TKR3593-U
4	SP05.TKR3477-U	SP05.TKR3554-U	SP05.TKR3485-U	SP05.TKR3562-U	SP05.TKR3493-U	SP05.TKR3570-U	SP05.TKR3501-U	SP05.TKR3578-U	SP05.TKR3509-U	SP05.TKR3586-U	SP05.TKR3517-U	SP05.TKR3594-U
5	SP05.TKR3478-U	SP05.TKR3555-U	SP05.TKR3486-U	SP05.TKR3563-U	SP05.TKR3494-U	SP05.TKR3571-U	SP05.TKR3502-U	SP05.TKR3579-U	SP05.TKR3510-U	SP05.TKR3587-U	SP05.TKR3518-U	SP05.TKR3595-U
6	SP05.TKR3479-U	SP05.TKR3556-U	SP05.TKR3487-U	SP05.TKR3564-U	SP05.TKR3495-U	SP05.TKR3572-U	SP05.TKR3503-U	SP05.TKR3580-U	SP05.TKR3511-U	SP05.TKR3588-U	SP05.TKR3519-U	SP05.TKR3596-U
7	SP05.TKR3480-U	SP05.TKR3557-U	SP05.TKR3488-U	SP05.TKR3565-U	SP05.TKR3496-U	SP05.TKR3573-U	SP05.TKR3504-U	SP05.TKR3581-U	SP05.TKR3512-U	SP05.TKR3589-U	SP05.TKR3520-U	SP05.TKR3597-U
8	SP05.TKR3481-U	SP05.TKR3558-U	SP05.TKR3489-U	SP05.TKR3566-U	SP05.TKR3497-U	SP05.TKR3574-U	SP05.TKR3505-U	SP05.TKR3582-U	SP05.TKR3513-U	SP05.TKR3590-U	SP05.TKR3521-U	SP05.TKR3598-U



Tibial Trays PS/CR (Cemented Fixed)

SIZE	MATERIAL CO.CR
1	SP05.TKR0111-L
2	SP05.TKR0112-L
3	SP05.TKR0113-L
4	SP05.TKR0114-L
5	SP05.TKR0115-L
6	SP05.TKR0116-L
7	SP05.TKR0117-L
8	SP05.TKR0118-L



Patellar Components

SIZE	MATERIAL
	UHMWPE
1	SP05.TKR0177-U
2	SP05.TKR0178-U
3	SP05.TKR0179-U
4	SP05.TKR0180-U



Surgical Technique

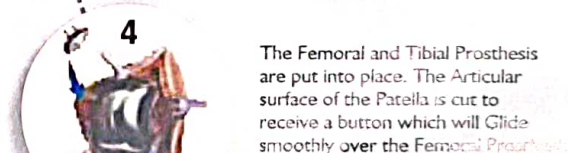
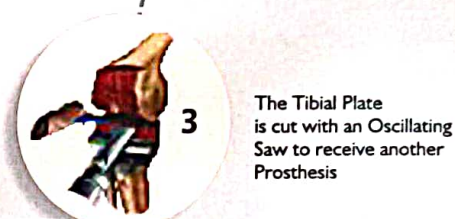
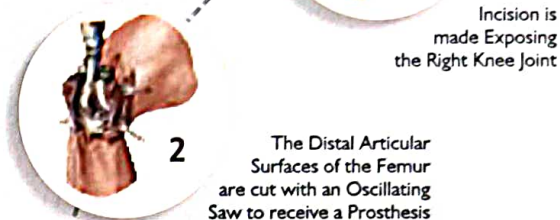
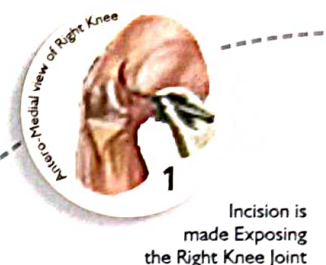
Modular Stem

DIA. / SIZE	MATERIAL
	CO.CR
12 X 35	SP05.TKR0160-L
14 X 45	SP05.TKR0161-L



Instruments Set

ITEM	DESCRIPTION	REFERENCE CODE	QUANTITY
1	PIN D3 X 95 MM	SO15.JNS.8200	6
2	COLLARED PINS Ø3.2X22	SO15.JNS.8201	6
3	WINGED RASP S1/S2/S3	SO15.JNS.8202	1
4	WINGED RASP S4/S5/S6	SO15.JNS.8203	1
5	WINGED RASP S7/S8	SO15.JNS.8204	1
6	STEP DRILL Ø8/Ø10	SO15.JNS.8205	1
7	MILLING DEVICE (SPONGY COMPACT)	SO15.JNS.8206	1
8	DRILL Ø12	SO15.JNS.8207	1
9	DRILL Ø14	SO15.JNS.8208	1
10	PEG PREPARATION DRILL	SO15.JNS.8209	1
11	DISTAL FEMORAL RESECTION GUIDE	SO15.JNS.8210	1
12	LEFT TIBIAL CUTTING GUIDE	SO15.JNS.8211	1
13	RIGHT TIBIAL CUTTING GUIDE	SO15.JNS.8212	1
14	4 IN 1 RESECTION GUIDE SIZE 1	SO15.JNS.8213	1
15	4 IN 1 RESECTION GUIDE SIZE 2	SO15.JNS.8214	1
16	4 IN 1 RESECTION GUIDE SIZE 3	SO15.JNS.8215	1
17	4 IN 1 RESECTION GUIDE SIZE 4	SO15.JNS.8216	1
18	4 IN 1 RESECTION GUIDE SIZE 5	SO15.JNS.8217	1
19	4 IN 1 RESECTION GUIDE SIZE 6	SO15.JNS.8218	1
20	4 IN 1 RESECTION GUIDE SIZE 7	SO15.JNS.8219	1
21	4 IN 1 RESECTION GUIDE SIZE 8	SO15.JNS.8220	1
22	TIBIAL PREP BUSH S1/S2/S3	SO15.JNS.8221	1
23	TIBIAL PREP BUSH S4 TO S8	SO15.JNS.8222	1
24	GUID BUSH Ø12	SO15.JNS.8223	1
25	GUID BUSH Ø14	SO15.JNS.8224	1
26	RESECTION GUIDE SUPPORT	SO15.JNS.8225	1
27	ANGLE CURSOR	SO15.JNS.8226	1
28	DISTAL PLATE FOR S5 TO S8	SO15.JNS.8228	1
29	FEMORAL SIZING GUIDE TYPE A	SO15.JNS.8229	1
30	INTRAMEDULLARY ROD Ø8X450	SO15.JNS.8230	1
31	INTRAMEDULLARY ROD Ø10X450	SO15.JNS.8231	1
32	TIBIAL STYLUS	SO15.JNS.8232	1
33	MILLIMETRIC SCREW	SO15.JNS.8233	1
34	COMPENSATION WEDGE TH 2 MM	SO15.JNS.8234	1
35	COMPENSATION WEDGE TH 4 MM	SO15.JNS.8235	1
36	ADJUSTMENT BLOC	SO15.JNS.8236	1
37	FEMORAL STYLUS	SO15.JNS.8237	1
38	ALIGNMENT ROD GUIDE D. 6	SO15.JNS.8238	2
39	ANGEL WING TH1.3 WIDTH 40	SO15.JNS.8239	1
40	SPACER TH. 9MM	SO15.JNS.8240	1
41	COMPENSATION WEDGE TH 11 MM	SO15.JNS.8241	1
42	COMPENSATION WEDGE TH 13 MM	SO15.JNS.8242	1
43	COMPENSATION WEDGE TH 15 MM	SO15.JNS.8243	1

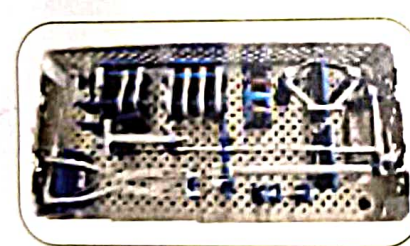
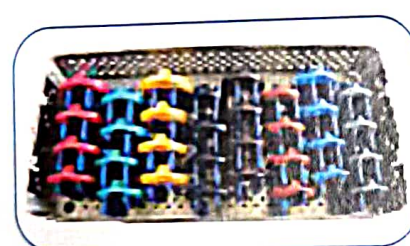
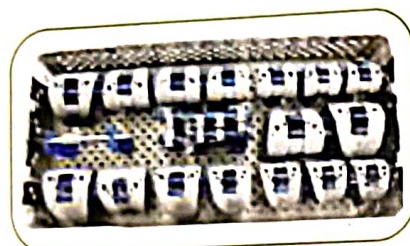
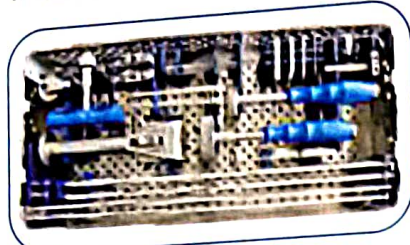


The Wounds are Closed and the Skin Stapled



TOTAL KNEE PROSTHESIS PRIMARY

Instruments Set



ITEM	DESCRIPTION	REFERENCE CODE	QUANTITY
44	DISTAL COMPENSATION WEDGE	S015.INS.8244	1
45	TRIAL TIBIAL TRAY S1	S015.INS.8245	1
46	TRIAL TIBIAL TRAY S2	S015.INS.8246	1
47	TRIAL TIBIAL TRAY S3	S015.INS.8247	1
48	TRIAL TIBIAL TRAY S4	S015.INS.8248	1
49	TRIAL TIBIAL TRAY S5	S015.INS.8249	1
50	TRIAL TIBIAL TRAY S6	S015.INS.8250	1
51	TRIAL TIBIAL TRAY S7	S015.INS.8251	1
52	TRIAL TIBIAL TRAY S8	S015.INS.8252	1
53	TEST STEM Ø12	S015.INS.8253	1
54	TEST STEM Ø14	S015.INS.8254	1
55	PIN ADAPTATOR	S015.INS.8255	1
56	FEMORAL COMPONENT HOLDER	S015.INS.8256	1
57	RASP HANDLE	S015.INS.8257	1
58	PIN PLIERS	S015.INS.8258	1
59	FEMORAL IMPACTOR	S015.INS.8259	1
60	TIBIAL IMPACTOR	S015.INS.8260	1
61	FLAT KEY FOR STEM	S015.INS.8261	1
62	REVERSIBLE HANDLE	S015.INS.8262	1
63	AO UNIVERSAL HANDLE	S015.INS.8263	1
64	OSTEOPHYTE RESECTION RULER	S015.INS.8264	1
65	MEARY PLIER	S015.INS.8265	1
66	KNEE RETRACTOR	S015.INS.8266	2
67	OSTEOPHYTE CHISEL	S015.INS.8267	1
68	FEMORAL EXTRACTOR	S015.INS.8268	1
69	REMOVABLE HAMMER	S015.INS.8269	1
70	EXTRACTOR 4 IN 1 RESECT* GUID	S015.INS.8270	1
71	DISTAL ALIGNMENT GUIDE	S015.INS.8274	1
72	PROXIMAL ALIGNMENT GUIDE	S015.INS.8275	1
73	CHISEL	S015.INS.8277	1
74	TRIAL FEM COMPONENT S1-LEFT PS	S015.INS.8276	1
75	TRIAL FEM COMPONENT S2-LEFT PS	S015.INS.8344	1
76	TRIAL FEM COMPONENT S3-LEFT PS	S015.INS.8345	1
77	TRIAL FEM COMPONENT S4-LEFT PS	S015.INS.8346	1
78	TRIAL FEM COMPONENT S5-LEFT PS	S015.INS.8347	1
79	TRIAL FEM COMPONENT S6-LEFT PS	S015.INS.8348	1
80	TRIAL FEM COMPONENT S7-LEFT PS	S015.INS.8349	1
81	TRIAL FEM COMPONENT S8-LEFT PS	S015.INS.8350	1
82	TRIAL FEM COMPONENT S1-RIGHT PS	S015.INS.8351	1
83	TRIAL FEM COMPONENT S2-RIGHT PS	S015.INS.8352	1
84	TRIAL FEM COMPONENT S3-RIGHT PS	S015.INS.8353	1
85	TRIAL FEM COMPONENT S4-RIGHT PS	S015.INS.8354	1
86	TRIAL FEM COMPONENT S5-RIGHT PS	S015.INS.8355	1
87	TRIAL FEM COMPONENT S6-RIGHT PS	S015.INS.8356	1
88	TRIAL FEM COMPONENT S7-RIGHT PS	S015.INS.8357	1
89	TRIAL FEM COMPONENT S8-RIGHT PS	S015.INS.8358	1
90	TRIAL TRAY PS SIZE1 TH9	S015.INS.8359	1
91	TRIAL TRAY PS SIZE1 TH11	S015.INS.8360	1
92	TRIAL TRAY PS SIZE1 TH13	S015.INS.8361	1
93	TRIAL TRAY PS SIZE1 TH15	S015.INS.8362	1
94	TRIAL TRAY PS SIZE2 TH09	S015.INS.8363	1
95	TRIAL TRAY PS SIZE2 TH11	S015.INS.8364	1
96	TRIAL TRAY PS SIZE2 TH13	S015.INS.8365	1
97	TRIAL TRAY PS SIZE2 TH15	S015.INS.8366	1
98	TRIAL TRAY PS SIZE3 TH09	S015.INS.8367	1
99	TRIAL TRAY PS SIZE3 TH11	S015.INS.8367	1
100	TRIAL TRAY PS SIZE3 TH13	S015.INS.8368	1
101	TRIAL TRAY PS SIZE3 TH15	S015.INS.8369	1
102	TRIAL TRAY PS SIZE4 TH09	S015.INS.8370	1
103	TRIAL TRAY PS SIZE4 TH11	S015.INS.8371	1
104	TRIAL TRAY PS SIZE4 TH13	S015.INS.8372	1
105	TRIAL TRAY PS SIZE4 TH15	S015.INS.8373	1
106	TRIAL TRAY PS SIZE5 TH09	S015.INS.8374	1
107	TRIAL TRAY PS SIZE5 TH11	S015.INS.8375	1
108	TRIAL TRAY PS SIZE5 TH13	S015.INS.8376	1
109	TRIAL TRAY PS SIZE5 TH15	S015.INS.8377	1
110	TRIAL TRAY PS SIZE6 TH09	S015.INS.8378	1
111	TRIAL TRAY PS SIZE6 TH11	S015.INS.8379	1
112	TRIAL TRAY PS SIZE6 TH13	S015.INS.8380	1
113	TRIAL TRAY PS SIZE6 TH15	S015.INS.8381	1
114	TRIAL TRAY PS SIZE7 TH09	S015.INS.8382	1
115	TRIAL TRAY PS SIZE7 TH11	S015.INS.8383	1
116	TRIAL TRAY PS SIZE7 TH13	S015.INS.8384	1
117	TRIAL TRAY PS SIZE7 TH15	S015.INS.8385	1
118	TRIAL TRAY PS SIZE8 TH09	S015.INS.8386	1
119	TRIAL TRAY PS SIZE8 TH11	S015.INS.8387	1
120	TRIAL TRAY PS SIZE8 TH13	S015.INS.8388	1
121	TRIAL TRAY PS SIZE8 TH15	S015.INS.8389	1
122	INOX TRAY PS NR1 KYN	S015.INS.8390	1
123	INOX TRAY PS NR2 KYN	S015.INS.8391	1
124	PS CUTTING GUIDE S3-2	S015.INS.8392	1
125	PS CUTTING GUIDE S3-4	S015.INS.8393	1
126	PS CUTTING GUIDE S5-6	S015.INS.8394	1
127	PS CUTTING GUIDE S7-8	S015.INS.8395	1
128	PS REAMER	S015.INS.8396	1
129	PROXIMAL EXTRAMEDULLARY ROD	S015.INS.8397	1
130	DISTAL ALIGNMENT GUIDE EXTRA	S015.INS.8398	1
131	EXTRA VARUS / VALGUS ALIGNMENT	S015.INS.8399	1
132	BIMALLEOLAR PLIER	S015.INS.8400	1
133	COLLARED DRILL Ø5.5	S015.INS.8401	1
134	TRIAL PATELLA SIZE 1	S015.INS.8402	1
135	TRIAL PATELLA SIZE 2	S015.INS.8403	1
136	TRIAL PATELLA SIZE 3	S015.INS.8404	1
137	TRIAL PATELLA SIZE 4	S015.INS.8405	1
138	PATELLA CUTTING LEFT JAW	S015.INS.8406	1
139	PATELLA CUTTING RIGHT JAW	S015.INS.8407	1
140	MODULAR PATELLA CLAMP	S015.INS.8408	1
141	PATELLA POSITIONING TIP	S015.INS.8409	1
142	PATELLA CLAMPING TIP	S015.INS.8410	1
143	PATELLA DRILL GUIDE SIZE 1	S015.INS.8411	1
144	PATELLA DRILL GUIDE SIZE 2	S015.INS.8412	1
145	PATELLA DRILL GUIDE SIZE 3	S015.INS.8413	1
146	PATELLA DRILL GUIDE SIZE 4	S015.INS.8414	1
147	INOX TRAY PATELLA + EXTRA MED	S015.INS.8415	1
148		S015.INS.8416	1

Femoral Stem

Low-profile lateral shoulder design enables easy insertion in reduced incision techniques (Including the anterior approach)

The HA coating with plasma spraying, thickness of 150μ is successful in achieving initial stability & extensive bone growth.

One neck offset & Tapered (12/14) options to restore hip biomechanics.

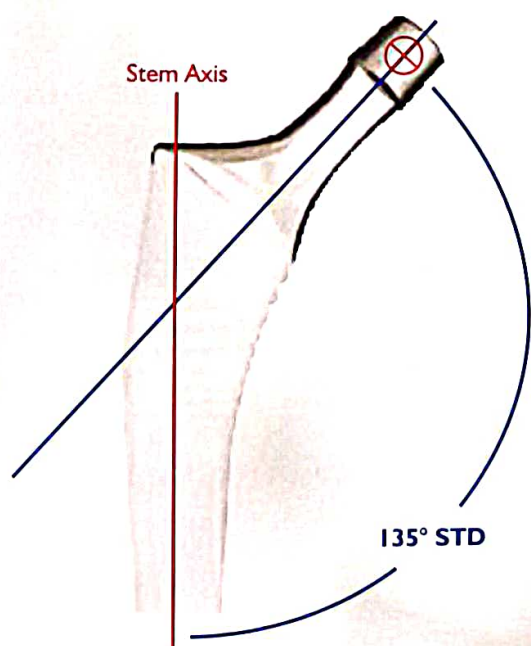
Available in collarless only

Vertical grooves Increase the contact surface avoiding component subsidence & provide axial stability.

Longitudinal grooves use the bone Implant contact surface, avoiding rotation & reducing distal rigidity.

Distal end provides effective platform for long term biological fixation

Enhanced Motion



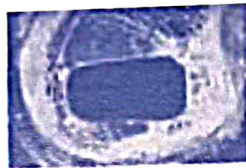
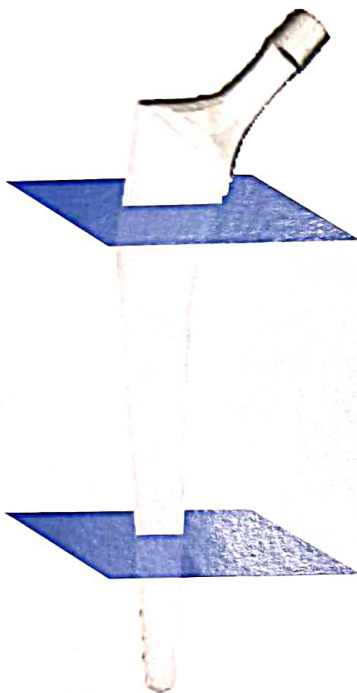
Material : S.S. / TIT.

Coating : HA 150μ ($\pm 30\mu$)

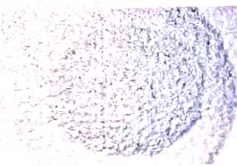
SIZE	LENGTH	CAT. NO. S.S.	CAT. NO. TIT.
8.0	136.3 mm	SP05.THR0354	SP05.THR0354-T
9.0	151.7 mm	SP05.THR0355	SP05.THR0355-T
10.0	161.5 mm	SP05.THR0356	SP05.THR0356-T
11.0	165.9 mm	SP05.THR0357	SP05.THR0357-T
12.0	171.7 mm	SP05.THR0358	SP05.THR0358-T
13.0	176.9 mm	SP05.THR0359	SP05.THR0359-T
14.0	181.5 mm	SP05.THR0360	SP05.THR0360-T
15.0	186.7 mm	SP05.THR0361	SP05.THR0361-T
16.0	191.1 mm	SP05.THR0362	SP05.THR0362-T

Well Established Fixation

stepped geometry is designed to minimize shear forces and maximize compression loading in mass cancellous bone.



Proximal trapezoid cross section resists axial stress and prompt initial stability.



Distal quadrangular cross section provides rotational stability without cortical contact

Bone Preserving Technique

Compaction Broaching

A philosophy of respecting and preserving patient anatomy, biology and physiology are key to the success.

Compressing and compacting the cancellous bone during the broaching process maintains the medullary canal endosteum, preserving blood supply to the bone and the bone / implant interface.



Compaction broaching creates an excellent bone / implant contact ratio and high pullout strength, and it increases prosthetic torsional stability.

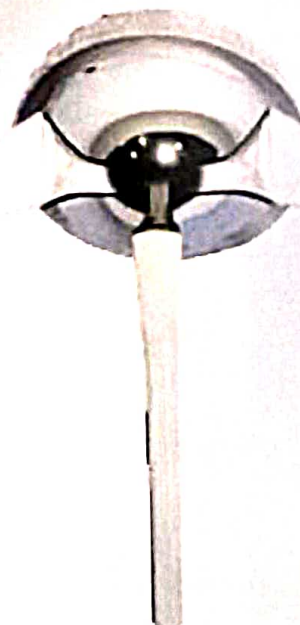
Compaction broaching preserves the blood supply to promote healing and growth of bone around the implant, and this technique has shown excellent long-term survivorship.

Enhanced Angular Motion

Narrowed anterior-posterior neck dimensions and optimized Articulate by - Internal Head taper increase range of motion and reduce risk of mechanical impingement.

Articulate by - Internal Head. 12/14 taper is fully captured by all Non skirted heads, reduce the creation of a artificial mini skirt due to trunnion protrusion.

Polished neck is designed to generate less wear debris secondary to prosthetic impingement.



Surgical Technique



STEP 1
Neck Osteotomy



STEP 2
Femoral Canal
Preparation



STEP 3
Offset Selection &
Head Trialling



STEP 4
Femoral Component
Insertion

Important

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Indications

Total hip arthroplasty is intended to provide increased patient mobility and reduce pain by replacing the damaged hip joint articulation in patients where there is evidence of sufficient sound bone to seat and support the components. Total hip replacement is indicated in the following conditions :

- A. Avascular necrosis
- B. Rheumatoid arthritis
- C. Primary arthritis
- D. Secondary (Traumatic) arthritis
- E. Femoral neck fracture
- F. Trochanteric fractures of the proximal femur with head involvement
- G. Correction of deformities like coxa vara and coxa valga.
- H. Congenital hip dysplasia.

Contraindications of THR.

- A. Any concomitant conditions that can interfere with the function of the implant.
- B. Patient's body allergic to the Implant materials.
- C. Hip Joint Ligament Instability and muscles paralysis condition.
- D. Knee Joint severe genu varus or genu valgus mis alignment and Retropatellar Degenerative arthritis.

Warnings & Precautions

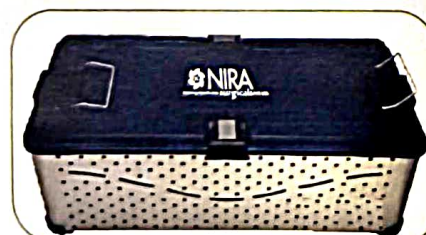
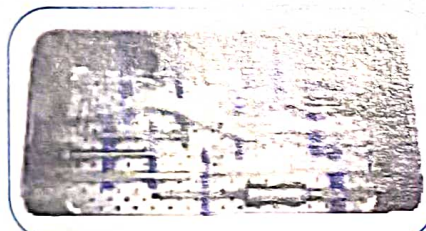
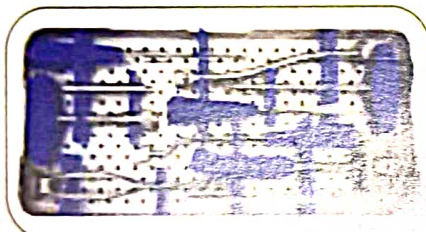
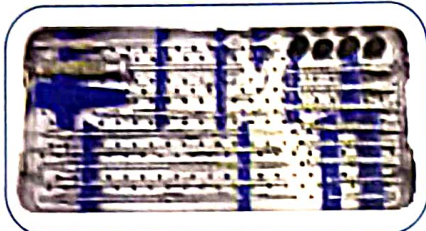
- HA coated implants must not be implanted with cement
- When changing the head on a femoral stem which is still in place, it is essential to use a metal head.

Adverse Events of Hip Replacement

The following are the most frequent adverse events after Hip Arthroplasty / Replacements.

- A. Swelling & Noise from Hip It.
- B. Prosthesis Working Loose.
- C. Vascular Thrombosis.
- D. Cardiovascular Disturbances
- E. Soft Tissue Necrosis.
- F. Nerve Injuries.
- G. Limb Length Discrepancy.

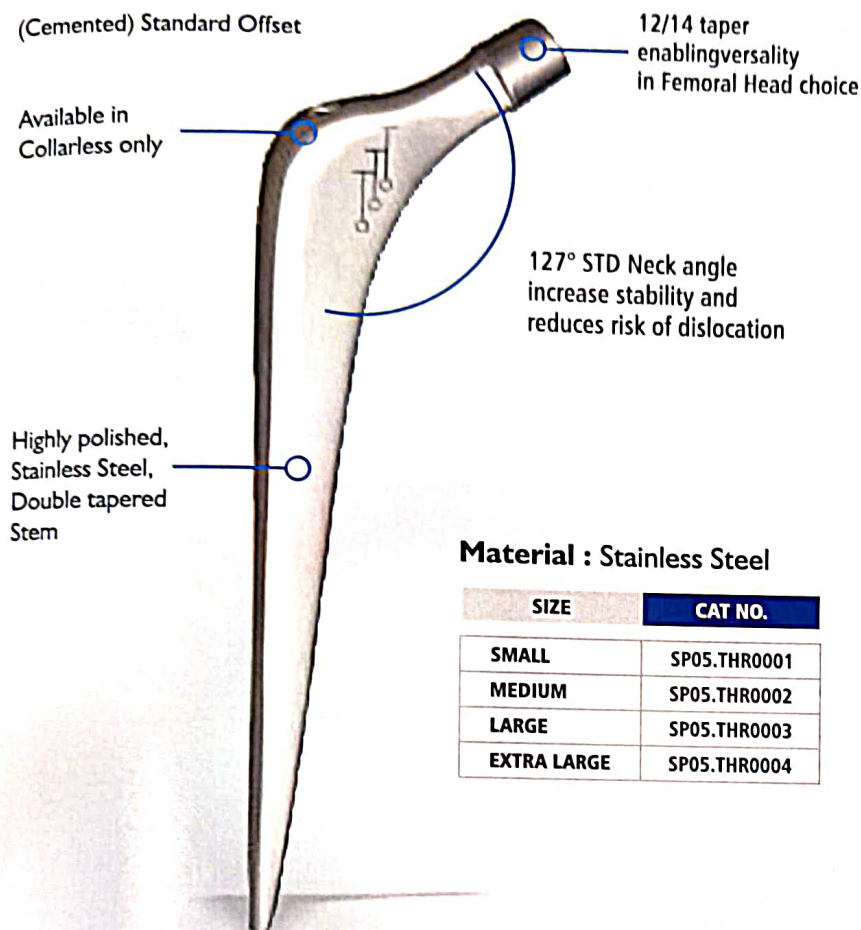
Instruments Set



ITEM	DESCRIPTION	REFERENCE CODE	QUANTITY
1	OSTEOTOMY RULER	SO15.INS.0831	1
2	OSTEOTOMY RULER SMALL	SO15.INS.0832	1
3	DISTRATOR BROAD	SO15.INS.0833	3
4	DISTRATOR NARROW	SO15.INS.0834	1
5	DISTRATOR SMALL	SO15.INS.0835	2
6	FEMORAL HEAD EXTRACTOR WITH FIBER HANDLE	SO15.INS.0836	1
7	LINER EXTRACTOR	SO15.INS.0837	1
8	T HANDLE WITH QUICK COUPLING	SO15.INS.0838	1
9	AWL	SO15.INS.0839	1
10	BOX SHAPE OSTEOTOME STRAIGHT	SO15.INS.0840	1
11	BOX SHAPE OSTEOTOME CURVE	SO15.INS.0841	1
12	ROUND TYPE OSTEOTOME	SO15.INS.0842	1
13	REAMER WITH QUICK COUPLING	SO15.INS.0843	1
14	PROXIMAL CANAL DRILL WITH QUICK COUPLING STANDARD	SO15.INS.0844	1
15	DISTAL CANAL DRILL WITH QUICK COUPLING 8/9	SO15.INS.0845	1
16	DISTAL CANAL DRILL WITH QUICK COUPLING 10/11	SO15.INS.0846	1
17	DISTAL CANAL DRILL WITH QUICK COUPLING 12/13	SO15.INS.0847	1
18	DISTAL CANAL DRILL WITH QUICK COUPLING 14	SO15.INS.0848	1
19	TRIAL STEM HANDLE	SO15.INS.0849	1
20	ASSIST HANDLE	SO15.INS.0850	1
21	SLOTTED HAMMER	SO15.INS.0851	1
22	TRIAL STEM EXTRACTOR WITH S.S. HANDLE	SO15.INS.0852	1
23	EXTRACTOR ROD WITH HAMMER	SO15.INS.0853	1
24	HAMMER	SO15.INS.0854	1
25	TRIAL STEM 7	SO15.INS.0855	1
26	TRIAL STEM 8	SO15.INS.0856	1
27	TRIAL STEM 9	SO15.INS.0857	1
28	TRIAL STEM 10	SO15.INS.0858	1
29	TRIAL STEM 11	SO15.INS.0859	1
30	TRIAL STEM 12	SO15.INS.0860	1
31	TRIAL STEM 13	SO15.INS.0861	1
32	TRIAL STEM 14	SO15.INS.0862	1
33	TRIAL STEM 15	SO16.INS.2622	1
34	TRIAL STEM 16	SO16.INS.2623	1
35	TRIAL HEAD 32 + 1	SO15.INS.8889	2
36	TRIAL HEAD 32 + 5	SO15.INS.8890	2
37	TRIAL HEAD 32 + 9	SO15.INS.8891	2
38	CANAL FINDER	SO15.INS.0863	1
39	SERRATED CUP CURETTER	SO15.INS.0864	1
40	CALCAR REAMER SMALL	SO15.INS.0865	1
41	CALCAR REAMER LARGE	SO15.INS.0866	1
42	OFFSET TRIAL	SO15.INS.0867	2
43	TRIAL HEAD 28 & 26 + 1.5	SO15.INS.0868	2
44	TRIAL HEAD 28 & 26 + 5	SO15.INS.0869	2
45	TRIAL HEAD 28 & 26 + 8.5	SO15.INS.0870	2
46	TRIAL HEAD 28 & 26 + 12	SO15.INS.0871	2
47	BONE HOOK	SO15.INS.0872	1
48	STRAIGHT PRESS WITH S.S. HANDLE	SO15.INS.0873	1
49	CURVE PRESS WITH FIBER HANDLE	SO15.INS.0874	1
50	STEM HOLDER	SO15.INS.0875	1
51	STEM INSERTER	SO15.INS.0876	1
52	HEAD IMPACTOR WITH S.S. HANDLE	SO15.INS.0877	1
53	RESTRICTOR HANDLE	SO16.INS.2753	1
54	CONTAINER FOR FINER™ HIP SYSTEM UNCEMENTED INSTRUMENT (STEM)	SO15.INS.UNHS	1

Femoral Stem

(Cemented) Standard Offset



Material : Stainless Steel

SIZE	CAT NO.
SMALL	SP05.THR0001
MEDIUM	SP05.THR0002
LARGE	SP05.THR0003
EXTRA LARGE	SP05.THR0004

Essential Product Information

IMPORTANT

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Indications

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- E. Femoral neck fracture
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- G. Correction of deformities like coxa vara and coxa valga.
- H. Congenital hip dysplasia.

Surgical Technique

STEM PREPARATION



STEP 1
Neck Osteotomy



STEP 2
Femoral Canal Preparation

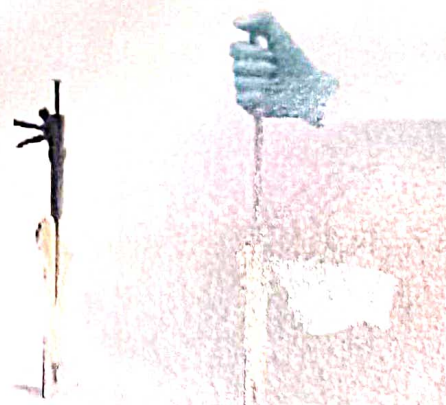


STEP 3
Offset Selection & Head Trialling



FEMORAL CEMENTING

Bone cement and with a theater temperature of 21°C, the cement should be inserted into the cavity at 2.5-3 minutes after commencement of mixing, the stem is typically inserted approximately 6 minutes after the start of mixing.



HIP SYSTEM (CEMENTED)



ACETABULAR PREPARATION



Acetabular Reaming

During Pre-operative templating, normally 45° of lateral opening (Abduction) & 15-30° of Anteversion



Trial Acetabular Cup Impaction



Acetabular Cementing

Typically using bone cement with a theater temperature of 21°C, cement injection and pressuration should take place 6-8 minutes after commencement of mixing.



Acetabular Cup Insertion

INTERNAL HEAD IMPACTION



Considerations

Internal Head provides an extensive range motion & reduce risk of impingement or limb length discrepancy.

Restoration of Joint kinematics is important in restoring function & stability.

Contraindications of THR.

- Any concomitant conditions that can interfere with the function of the implant.
- Patient's body allergic to the Implant materials.
- Hip Joint Ligament Instability & muscles paralysis condition. Joints like Knee Joint severe genu varus or genu valgus mis alignment.
- In Knee It Retropatellar Degenerative arthritis.

Adverse events of HIP Replacement

The following are the most fragment adverse events after Hip Arthroplasty / Replacements.

- Swelling & Noise from Hip It.
- Prosthesis Working Loose.
- Vascular Thrombosis.
- Cardiovascular Disturbances
- Soft Tissue Necrosis.
- Nerve Injuries.
- Limb Length Discrepancy.

Stem
Centralizer

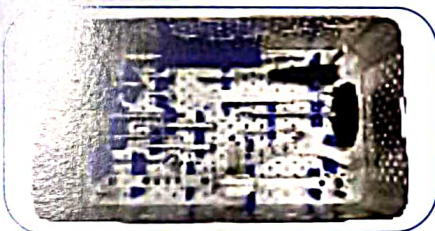
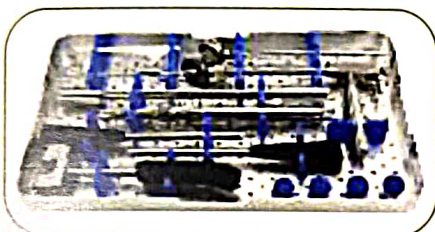
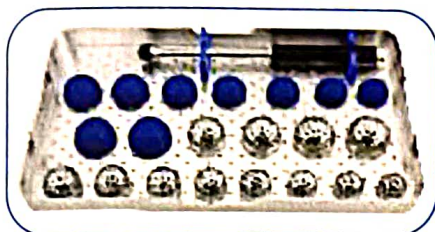


SIZE	MATERIAL PMMA
SMALL	SP05.THR4548-P
MEDIUM	SP05.THR4549-P
LARGE	SP05.THR4550-P
EXTRA LARGE	SP05.THR4551-P

Cement Restrictor

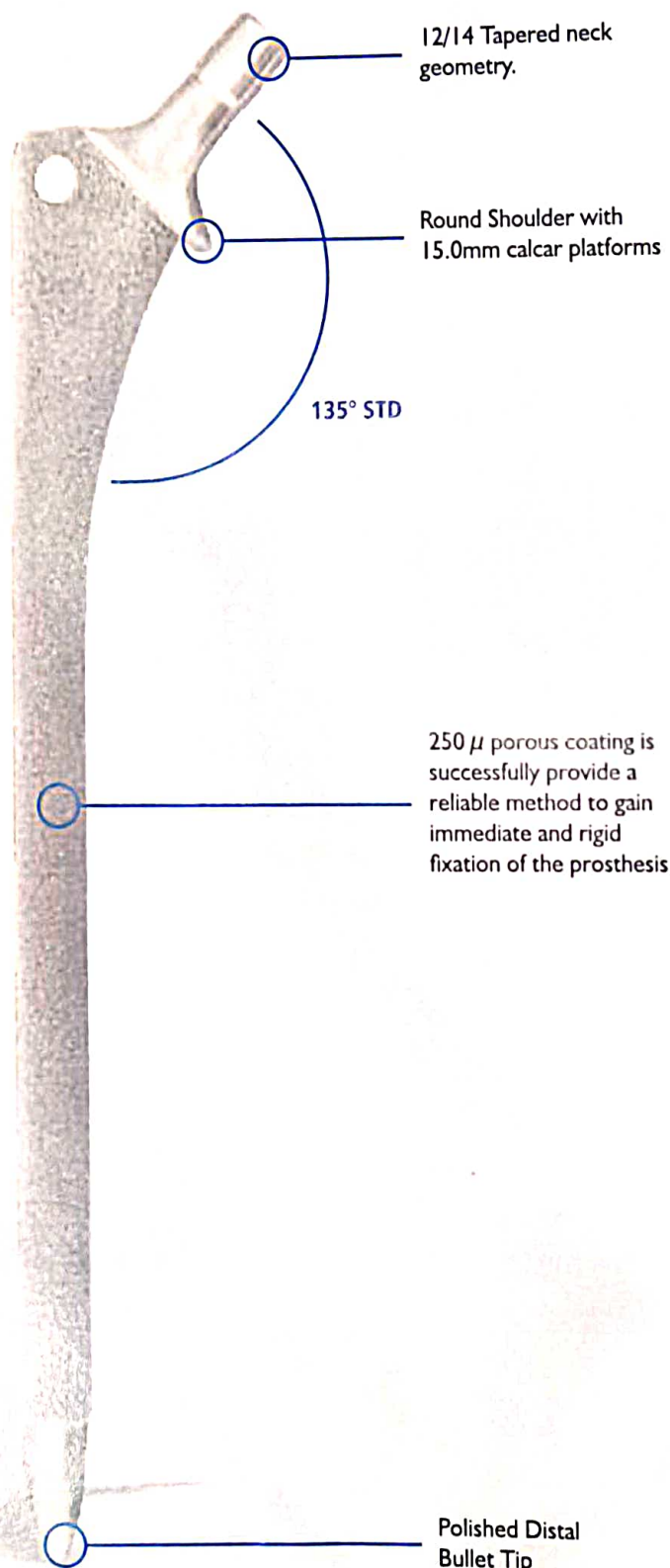
SIZE	MATERIAL UHMWPE
STD	SP05.THR4552-U

Instruments Set



ITEM	DESCRIPTION	REFERENCE CODE	QUANTITY
1	ACETABULAR REAMER 38.0MM	S015.INS.0891	1
2	ACETABULAR REAMER 40.0MM	S015.INS.0892	1
3	ACETABULAR REAMER 42.0MM	S015.INS.0893	1
4	ACETABULAR REAMER 44.0MM	S015.INS.0894	1
5	ACETABULAR REAMER 46.0MM	S015.INS.0895	1
6	ACETABULAR REAMER 48.0MM	S015.INS.0896	1
7	ACETABULAR REAMER 50.0MM	S015.INS.0897	1
8	ACETABULAR REAMER 52.0MM	S015.INS.0898	1
9	ACETABULAR REAMER 54.0MM	S015.INS.0899	1
10	ACETABULAR REAMER 56.0MM	S015.INS.0900	1
11	ACETABULAR REAMER 58.0MM	S015.INS.0901	1
12	ACETABULAR REAMER 60.0MM	S015.INS.0902	1
13	ACETABULAR REAMER 62.0MM	S015.INS.8765	1
14	ACETABULAR REAMER 64.0MM	S015.INS.8766	1
15	HANDLE FOR REAMER	S015.INS.0903	1
16	ACETABULAR TRIAL CUP 40.0MM/28.0MM	S015.INS.8763	1
17	ACETABULAR TRIAL CUP 42.0MM/28.0MM	S015.INS.8764	1
18	ACETABULAR TRIAL CUP 44.0MM/28.0MM	S015.INS.0904	1
19	ACETABULAR TRIAL CUP 46.0MM/28.0MM	S015.INS.0905	1
20	ACETABULAR TRIAL CUP 48.0MM/28.0MM	S015.INS.0906	1
21	ACETABULAR TRIAL CUP 50.0MM/28.0MM	S015.INS.0907	1
22	ACETABULAR TRIAL CUP 52.0MM/28.0MM	S015.INS.0908	1
23	ACETABULAR TRIAL CUP 54.0MM/28.0MM	S015.INS.0909	1
24	ACETABULAR TRIAL CUP 56.0MM/28.0MM	S015.INS.0910	1
25	ACETABULAR TRIAL CUP 58.0MM/28.0MM	S015.INS.0911	1
26	ACETABULAR TRIAL CUP 60.0MM/28.0MM	S015.INS.0912	1
27	BONE LEAVER 95°	S015.INS.0913	1
28	ACETABULAR IMPACTOR 28.0MM	S015.INS.0914	1
29	ACETABULAR TRIAL CUP HOLDER (LEFT)	S015.INS.0915-1	1
	ACETABULAR TRIAL CUP HOLDER (RIGHT)	S015.INS.0915-2	1
30	HANDLE FOR ACETABULAR CUP	S015.INS.0916	1
31	OSTEOTOMY RULER	S015.INS.0917	1
32	DISTRATOR BROAD (44)	S015.INS.0918	1
33	DISTRATOR (Y SHAPE)	S015.INS.0919	1
34	DISTRATOR SMALL (16)	S015.INS.0920	1
35	LINER EXTRACTOR	S015.INS.0921	1
36	FEMORAL HEAD EXTRACTOR WITH FIBER HANDLE	S015.INS.0922	1
37	BOX SHAPE OSTEOTOME STRAIGHT	S015.INS.0923	1
38	CANAL REAMER WITH T HANDLE (LARGE)	S015.INS.0924	1
39	CANAL REAMER WITH T HANDLE (SMALL)	S015.INS.0925	1
40	T HANDLE WITH QUICK COUPLING	S015.INS.0926	1
41	EXTRACTOR HOOK	S015.INS.0927	2
42	OFFSET TRIAL	S015.INS.0928	2
43	TRIAL HEAD 26MM (+1.5 MM)	S015.INS.9573	2
44	TRIAL HEAD 26MM (+5 MM)	S015.INS.9574	2
45	TRIAL HEAD 26MM (+8.5 MM)	S015.INS.9575	2
46	TRIAL HEAD 26MM (+12 MM)	S015.INS.9576	2
47	TRIAL HEAD 28MM (+1.5 MM) WITH RTI	S015.INS.0929	2
48	TRIAL HEAD 28MM (+5 MM) WITH RTI	S015.INS.0930	2
49	TRIAL HEAD 28MM (+8.5 MM) WITH RTI	S015.INS.0931	2
50	TRIAL HEAD 28MM (+12 MM) WITH RTI	S015.INS.0932	2
51	TRIAL HEAD 36MM (+1 MM) WITH RTI	S015.INS.9567	1
52	TRIAL HEAD 36MM (+5 MM) WITH RTI	S015.INS.9568	1
53	TRIAL HEAD 36MM (+9 MM) WITH RTI	S015.INS.9569	1
54	TRIAL HEAD 36MM (+1.5 MM)	S015.INS.9570	1
55	TRIAL HEAD 36MM (+5 MM)	S015.INS.9571	1
56	TRIAL HEAD 36MM (+8.5 MM)	S015.INS.9572	1
57	TRIAL HEAD 36MM (+12 MM)	S015.INS.9579	1
58	TRIAL (SMALL)	S015.INS.0933	1
59	TRIAL (MEDIUM)	S015.INS.0934	1
60	TRIAL (LARGE)	S015.INS.0935	1
61	TRIAL (X LARGE)	S015.INS.0936	1
62	TRIAL STEM HANDLE (BROACH HANDLE)	S015.INS.0937	1
63	SLOTTED HAMMER	S015.INS.0938	1
64	STEM HOLDER (CEMENTED)	S015.INS.0939	1
65	QUICK COUPLING ADAPTOR	S015.INS.0940	1
66	SERRATED CUP CURETTER WITH FIBER HANDLE (SMALL)	S015.INS.0941	1
67	SERRATED CUP CURETTER WITH FIBER HANDLE (LARGE)	S015.INS.0942	1
68	REAMER WITH QUICK COUPLING	S015.INS.0943	1
69	INTERNAL HEAD HOOK	S015.INS.0944	2
70	HEAD GAUGE	S015.INS.0945	2
71	INTERNAL HEAD IMPACTOR WITH S.S. HANDLE	S015.INS.0946	2
72	ASSIST HANDLE	S015.INS.0947	2
73	EXTRACTOR ROD	S015.INS.0948	2
74	HAMMER	S015.INS.0949	2
75	GAUGE FOR ACETABULAR CUP	S015.INS.0950	2
76	CAPNER GAUGE WITH EBONITE HANDLE	S015.INS.0951	2
77	ACETABULAR CUP PUSHER	S015.INS.0952	2
78	THR REAMER TAPPER	S015.INS.0953	2
79	THR REAMER SLOTTED	S015.INS.0954	2
80	COBRA RETRACTOR - (ND)	S015.INS.0955	2
81	THR HOFFMAN SMALL RETRACTOR	S015.INS.0956	2
82	THR HOFFMAN LARGE RETRACTOR	S015.INS.0957	2
83	ACETABULAR CUP TRIALS (37MM TO 52MM)	S015.INS.0958	2
84	TOTAL HIP TRIALS ROUND BACK STANDARD	S015.INS.4343	2
85	BONE CURETTE 3	S015.INS.4344	2
86	STEM VERSION HANDLE	S015.INS.9577	2
87	FINER™ HIP SYSTEM CEMENTED INSTRUMENT SET FOR CUP & STEM	S015.INS.CH075	1
88	OPTIONAL INSTRUMENT		
89	PIN RETRACTOR WITH TWO PIN	S015.INS.4300	1
90	TOTAL HIP RETRACTOR WITH WEIGHT & CHAIN	S015.INS.4305	1
91	ZED RETRACTOR (ND) LEAF RETRACTOR	S015.INS.4310	1
92	SAW ATTACHMENT	S015.INS.4341	1
93	CEMENT GUN	S015.INS.4342	1
	RETRACTOR HOLDER	S015.INS.9578	1

Femoral Stem



Product Information

The Revision Hip System Stem is part of a family of femoral stems that address both Primary and Revision indications. Tissue ingrowth is achieved through intimate contact between the implant's porous surface and the available well-vascularized and structurally sound host bone. Predictable osteointegration has been associated with long-term stability and pain-free function.

The Revision Hip System Stem is designed with the goal of providing long term, pain free restoration of joint function and normal hip biomechanics.

Material : Co.Cr.
Coating : Porous

LENGTH	220 MM
DIAMETER	CAT. NO.
9.0 mm	SP05.THR0004R-L
10.5 mm	SP05.THR0005R-L
12.0 mm	SP05.THR0006R-L
13.5 mm	SP05.THR0007R-L
15.0 mm	SP05.THR0008R-L
16.5 mm	SP05.THR0009R-L

LENGTH	275 MM	
DIAMETER	CAT. NO. (LEFT)	CAT. NO. (RIGHT)
12.0 mm	SP05.THR2324R-L	SP05.THR2357R-L
13.5 mm	SP05.THR2325R-L	SP05.THR2358R-L
15.0 mm	SP05.THR2326R-L	SP05.THR2359R-L
16.5 mm	SP05.THR2327R-L	SP05.THR2360R-L

Design & Technology

FIXATION ONLY POROUS COATING

The Revision Hip System Stem prosthesis is a fully porous coated stem. Subsequently, a $250\ \mu (\pm 30\ \mu)$ the porous surface.

RANGE OF MOTION

Circulotrapezoidal Neck Provides maximum range of motion with minimal impingement, there by reducing the risk of dislocation and wear. Neck length is increased for restoration of offset.

OPTIMUM TAPER DESIGN

The 12/14 taper is optimized to avoid impingement on the cup and maximize range of motion.

VERSATILITY

Addressing Proximal Defects. Stems are available with standard collar and calcar platforms.

Indication

Hip components are indicated for individuals undergoing primary and revision surgery.

- Osteoarthritis
- Avascular necrosis
- Traumatic arthritis
- Intraoperative Fracture
- Soft tissues necrosis
- Dislocation of previous implants
- Loosening of femoral components
- Weakening of bone around Hip joint - Osteolysis
- Massive Bone loss and challenge especially in presence of infection

Feature & Benefit

Rough Coat Coating sintered bead porous coating allows for scratch fit. $250\ \mu (\pm 30\ \mu)$ layer fully porous coated stem.

Revision Hip System Stem has a rounded shoulder, which eases insertion or extraction and reduces the risk of fracture of the greater trochanter Coronal Slot. The slot reduces overall stem stiffness, which can mean less stress shielding, less thigh pain and less chance of fracturing the femur upon insertion Distal Bullet Tip.

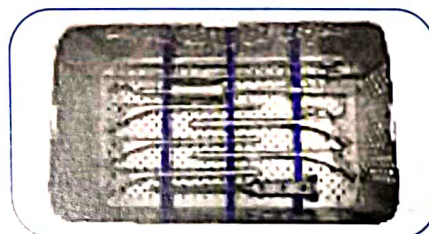
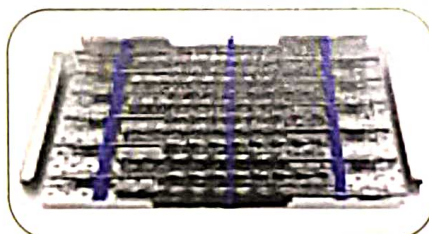
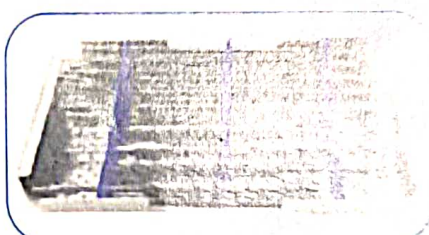
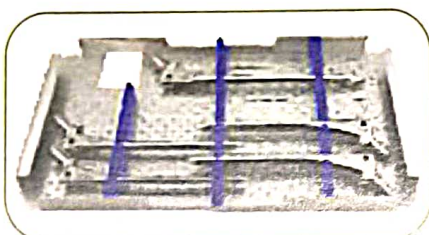
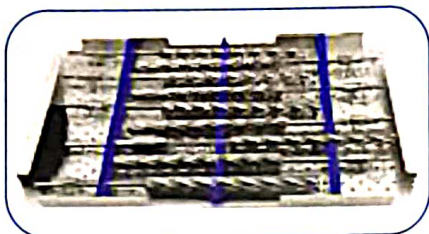
The polished distal bullet tip is a smooth transition from the cylindrical portion of the stem which reduces the possibility of impingement or bone on growth. Both impingement and bone on growth are associated with thigh pain.

Clinical Goals

- Fixation
- Range of Motion
- Versatility
- Simplicity

**REVISION HIP
SYSTEM
(UNCEMENTED)**

Instruments Set



ITEM	DESCRIPTION	REFERENCE CODE	QUANTITY
1	DRILL BIT 6.0 MM	SO15.INS.1301	1
2	DRILL BIT 8.0 MM	SO15.INS.1302	1
3	REAMER 8.0 MM	SO15.INS.1303	1
4	REAMER 8.5 MM	SO15.INS.1304	1
5	REAMER 9.0 MM	SO15.INS.1305	1
6	REAMER 9.5 MM	SO15.INS.1306	1
7	REAMER 10.0 MM	SO15.INS.1307	1
8	REAMER 10.5 MM	SO15.INS.1308	1
9	REAMER 11.0 MM	SO15.INS.1309	1
10	REAMER 11.5 MM	SO15.INS.1310	1
11	REAMER 12.0 MM	SO15.INS.1311	1
12	REAMER 12.5 MM	SO15.INS.1312	1
13	REAMER 13.0 MM	SO15.INS.1313	1
14	REAMER 13.5 MM	SO15.INS.1314	1
15	REAMER 14.0 MM	SO15.INS.1315	1
16	REAMER 14.5 MM	SO15.INS.1316	1
17	REAMER 15.0 MM	SO15.INS.1317	1
18	REAMER 15.5 MM	SO15.INS.1318	1
19	REAMER 16.0 MM	SO15.INS.1319	1
20	REAMER 16.5 MM	SO15.INS.1320	1
21	REAMER 17.0 MM	SO15.INS.1321	1
22	REAMER 17.5 MM	SO15.INS.1322	1
23	REAMER 18.0 MM	SO15.INS.1323	1
24	REAMER 18.5 MM	SO15.INS.1324	1
25	REAMER 19.0 MM	SO15.INS.1325	1
26	REAMER 19.5 MM	SO15.INS.1326	1
27	REAMER 20.0 MM	SO15.INS.1327	1
28	SHAFT REAMER 6.0 MM	SO15.INS.1328	1
29	SHAFT REAMER 6.5 MM	SO15.INS.1329	1
30	SHAFT REAMER 7.0 MM	SO15.INS.1330	1
31	SHAFT REAMER 7.5 MM	SO15.INS.1331	1
32	SHAFT REAMER 8.0 MM	SO15.INS.1332	1
33	SHAFT REAMER 8.5 MM	SO15.INS.1333	1
34	SHAFT REAMER 9.0 MM	SO15.INS.1334	1
35	SHAFT REAMER 9.5 MM	SO15.INS.1335	1
36	SHAFT REAMER 10.0 MM	SO15.INS.1336	1
37	SHAFT REAMER 10.5 MM	SO15.INS.1337	1
38	SHAFT REAMER 11.0 MM	SO15.INS.1338	1
39	SHAFT REAMER 11.5 MM	SO15.INS.1339	1
40	SHAFT REAMER 12.0 MM	SO15.INS.1340	1
41	SHAFT REAMER 12.5 MM	SO15.INS.1341	1
42	SHAFT REAMER 13.0 MM	SO15.INS.1342	1
43	SHAFT REAMER 13.5 MM	SO15.INS.1343	1
44	SHAFT REAMER 14.0 MM	SO15.INS.1344	1
45	SHAFT REAMER 14.5 MM	SO15.INS.1345	1
46	SHAFT REAMER 15.0 MM	SO15.INS.1346	1
47	SHAFT REAMER 15.5 MM	SO15.INS.1347	1
48	SHAFT REAMER 16.0 MM	SO15.INS.1348	1
49	STEM IMPECTOR	SO15.INS.1349	1
50	QUICK COUPLING HANDLE	SO15.INS.9583	1
51	EXACTOR HOOK	SO15.INS.9584	1
52	EXACTOR ROD WITH HAMMER	SO15.INS.9585	1
53	CREST FEMORAL REVISION STEM 220 X 9.0 MM	SO15.INS.1350	1
54	CREST FEMORAL REVISION STEM 220 X 10.5 MM	SO15.INS.1351	1
55	CREST FEMORAL REVISION STEM 220 X 12.0 MM	SO15.INS.1352	1
56	CREST FEMORAL REVISION STEM 220 X 13.5 MM	SO15.INS.1353	1
57	CREST FEMORAL REVISION STEM 220 X 15.0 MM	SO15.INS.1354	1
58	CREST FEMORAL REVISION STEM 220 X 16.5 MM	SO15.INS.1355	1
59	CREST FEMORAL REVISION STEM 275 X 12.0 MM (LEFT)	SO15.INS.1356	1
60	CREST FEMORAL REVISION STEM 275 X 12.0 MM (RIGHT)	SO15.INS.1357	1
61	CREST FEMORAL REVISION STEM 275 X 13.5 MM (LEFT)	SO15.INS.1358	1
62	CREST FEMORAL REVISION STEM 275 X 13.5 MM (RIGHT)	SO15.INS.1359	1
63	CREST FEMORAL REVISION STEM 275 X 15.0 MM (LEFT)	SO15.INS.1360	1
64	CREST FEMORAL REVISION STEM 275 X 15.0 MM (RIGHT)	SO15.INS.1361	1
65	CREST FEMORAL REVISION STEM 275 X 16.5 MM (LEFT)	SO15.INS.1362	1
66	CREST FEMORAL REVISION STEM 275 X 16.5 MM (RIGHT)	SO15.INS.1363	1
67	CONTAINER FOR REVISION HIP SYSTEM - UNCEMENTED	SO15.INS.1364	1

Femoral Stem

Available in
Collarless only

12/14 taper enabling versatility
in Femoral Head choice

127° STD Neck angle increase
stability and reduces risk of dislocation

Highly polished,
Stainless Steel,
Double tapered Stem

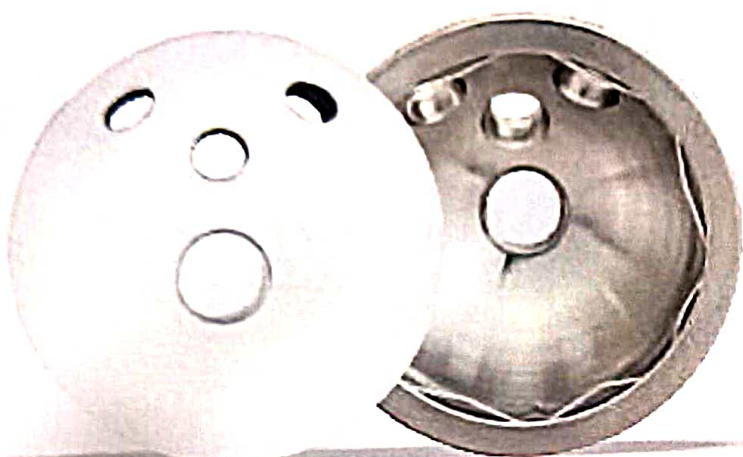
200 MM	
SIZE	CAT. NO. S.S.
SMALL	SP05.THR3900
MEDIUM	SP05.THR3908
LARGE	SP05.THR3916

250 MM	
SIZE	CAT. NO. S.S.
SMALL	SP05.THR3901
MEDIUM	SP05.THR3909
LARGE	SP05.THR3917

300 MM	
SIZE	CAT. NO. S.S.
SMALL	SP05.THR3902
MEDIUM	SP05.THR3910
LARGE	SP05.THR3918

ACETABULAR CUP

Material : S.S / TIT.
Head Coverage : 165°
Coating : HA + Porous



DIAMETER	CAT. NO. S.S.	CAT. NO. TIT.
44 mm	SP05.THR0391	SP05.THR0391-T
46 mm	SP05.THR0393	SP05.THR0393-T
48 mm	SP05.THR0395	SP05.THR0395-T
50 mm	SP05.THR0397	SP05.THR0397-T
52 mm	SP05.THR0399	SP05.THR0399-T
54 mm	SP05.THR0401	SP05.THR0401-T
56 mm	SP05.THR0403	SP05.THR0403-T
58 mm	SP05.THR0405	SP05.THR0405-T
60 mm	SP05.THR0407	SP05.THR0407-T
62 mm	SP05.THR0409	SP05.THR0409-T
64 mm	SP05.THR0411	SP05.THR0411-T
66 mm	SP05.THR0413	SP05.THR0413-T

LENER

Material : UHMWPE
Posterior Lift : 10° Prevent Dislocation

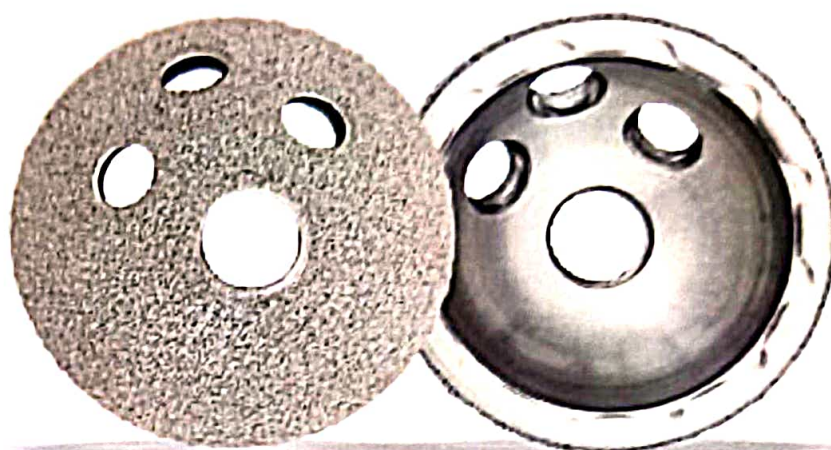
INNER DIA.	CAT. NO.	
OUTER DIA.	28.0 MM	32.0 MM
44 mm	SP05.THR0541-U	X
46 mm	SP05.THR0543-U	X
48 mm	SP05.THR0545-U	X
50 mm	SP05.THR0547-U	X
52 mm	SP05.THR0549-U	SP05.THR2104-U
54 mm	SP05.THR0551-U	SP05.THR2105-U
56 mm	SP05.THR0553-U	SP05.THR2106-U
58 mm	SP05.THR0555-U	SP05.THR2107-U
60 mm	SP05.THR0557-U	SP05.THR2108-U
62 mm	X	SP05.THR2390-U
64 mm	X	SP05.THR2391-U
66 mm	X	SP05.THR2392-U



ACETABULAR CUP

Material : TIT
Head Coverage : 180°
Coating : Porous

DIAMETER	CAT. NO.
44 mm	SP05.THR2138-T
46 mm	SP05.THR2139-T
48 mm	SP05.THR2140-T
50 mm	SP05.THR2141-T
52 mm	SP05.THR2142-T
54 mm	SP05.THR2143-T
56 mm	SP05.THR2144-T
58 mm	SP05.THR2145-T
60 mm	SP05.THR2146-T
62 mm	SP05.THR2147-T
64 mm	SP05.THR2148-T
66 mm	SP05.THR2149-T

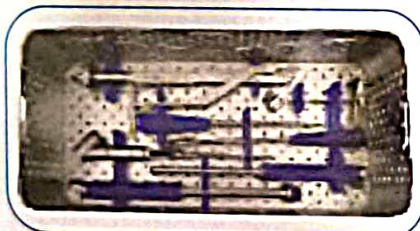
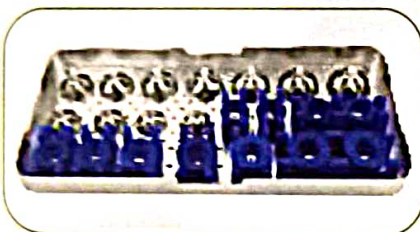
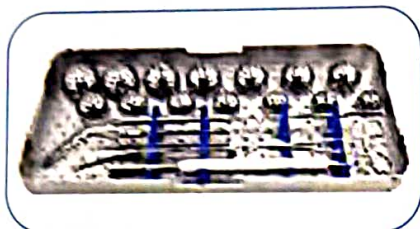


LINER

Material : XLPE / UHMWPE
Posterior Lift : 10° Lift / + 4 Neutral

INNER HEAD DIA.	28.0 MM		32.0 MM		36.0 MM	
LINER DIA.	CAT. NO. XLPE	CAT. NO. UHMWPE	CAT. NO. XLPE	CAT. NO. UHMWPE	CAT. NO. XLPE	CAT. NO. UHMWPE
44 mm	SP05.THR4492-H	SP05.THR2179-U	X	X	X	X
46 mm	SP05.THR4493-H	SP05.THR2180-U	X	X	X	X
48 mm	X	X	SP05.THR4503-H	SP05.THR2210-U	X	X
50 mm	X	X	SP05.THR4504-H	SP05.THR2211-U	X	X
52 mm	X	X	X	X	SP05.THR4512-H	SP05.THR2248-U
54 mm	X	X	X	X	SP05.THR4513-H	SP05.THR2249-U
56 mm	X	X	X	X	SP05.THR4514-H	SP05.THR2250-U
58 mm	X	X	X	X	SP05.THR4515-H	SP05.THR2251-U
60 mm	X	X	X	X	SP05.THR4516-H	SP05.THR2252-U
62 mm	X	X	X	X	SP05.THR4517-H	SP05.THR2253-U
64 mm	X	X	X	X	SP05.THR4518-H	SP05.THR2254-U

Instruments Set



ITEM	DESCRIPTION	REFERENCE CODE	QUANTITY
1	SCALE	SO15.INS.0771	1
2	ACETABULAR REAMER 36.0MM	SO15.INS.7880	1
3	ACETABULAR REAMER 38.0MM	SO15.INS.0772	1
4	ACETABULAR REAMER 40.0MM	SO15.INS.0773	1
5	ACETABULAR REAMER 42.0MM	SO15.INS.0774	1
6	ACETABULAR REAMER 44.0MM	SO15.INS.0775	1
7	ACETABULAR REAMER 46.0MM	SO15.INS.0776	1
8	ACETABULAR REAMER 48.0MM	SO15.INS.0777	1
9	ACETABULAR REAMER 50.0MM	SO15.INS.0778	1
10	ACETABULAR REAMER 52.0MM	SO15.INS.0779	1
11	ACETABULAR REAMER 54.0MM	SO15.INS.0780	1
12	ACETABULAR REAMER 56.0MM	SO15.INS.0781	1
13	ACETABULAR REAMER 58.0MM	SO15.INS.0782	1
14	ACETABULAR REAMER 60.0MM	SO15.INS.0783	1
15	ACETABULAR REAMER 62.0MM	SO15.INS.0784	1
16	ACETABULAR REAMER 64.0MM	SO15.INS.0785	1
17	ACETABULAR REAMER 66.0MM	SO15.INS.7885	-
18	ACETABULAR REAMER 68.0MM	SO15.INS.7890	-
19	ACETABULAR REAMER 70.0MM	SO15.INS.7895	-
20	ACETABULAR REAMER 72.0MM	SO15.INS.7900	-
21	ACETABULAR REAMER 74.0MM	SO15.INS.7905	-
22	ACETABULAR REAMER 76.0MM	SO15.INS.7910	-
23	METAL TRIAL CUP 40.0 MM	SO15.INS.7915	1
24	METAL TRIAL CUP 42.0 MM	SO15.INS.7920	1
25	METAL TRIAL CUP 44.0 MM	SO15.INS.0786	1
26	METAL TRIAL CUP 46.0 MM	SO15.INS.0787	1
27	METAL TRIAL CUP 48.0 MM	SO15.INS.0788	1
28	METAL TRIAL CUP 50.0 MM	SO15.INS.0789	1
29	METAL TRIAL CUP 52.0 MM	SO15.INS.0790	1
30	METAL TRIAL CUP 54.0 MM	SO15.INS.0791	1
31	METAL TRIAL CUP 56.0 MM	SO15.INS.0792	1
32	METAL TRIAL CUP 58.0 MM	SO15.INS.0793	1
33	METAL TRIAL CUP 60.0 MM	SO15.INS.0794	1
34	METAL TRIAL CUP 62.0 MM	SO15.INS.0795	1
35	METAL TRIAL CUP 64.0 MM	SO15.INS.0796	1
36	METAL TRIAL CUP 66.0MM	SO15.INS.7925	-
37	METAL TRIAL CUP 68.0MM	SO15.INS.7930	-
38	METAL TRIAL CUP 70.0MM	SO15.INS.7935	-
39	METAL TRIAL CUP 72.0MM	SO15.INS.7940	-
40	METAL TRIAL CUP 74.0MM	SO15.INS.7945	-
41	METAL TRIAL CUP 76.0MM	SO15.INS.7950	-
42	LINER TRIAL CUP 44.0 MM / 28.0 MM	SO15.INS.0797	1
43	LINER TRIAL CUP 46.0 MM / 28.0 MM	SO15.INS.0798	1
44	LINER TRIAL CUP 48.0 MM / 28.0 MM	SO15.INS.0799	1
45	LINER TRIAL CUP 50.0 MM / 28.0 MM	SO15.INS.0800	1
46	LINER TRIAL CUP 52.0 MM / 28.0 MM	SO15.INS.0801	1
47	LINER TRIAL CUP 54.0 MM / 28.0 MM	SO15.INS.0802	1
48	LINER TRIAL CUP 56.0 MM / 28.0 MM	SO15.INS.0803	1
49	LINER TRIAL CUP 58.0 MM / 28.0 MM	SO15.INS.0804	1
50	LINER TRIAL CUP 60.0 MM / 28.0 MM	SO15.INS.0805	1
51	LINER TRIAL CUP 62.0 MM / 28.0 MM	SO15.INS.0806	1
52	LINER TRIAL CUP 64.0 MM / 28.0 MM	SO15.INS.0807	1
53	LINER TRIAL CUP 40.0MM/28.0MM	SO15.INS.7955	-
54	LINER TRIAL CUP 42.0MM/28.0MM	SO15.INS.7960	-
55	LINER TRIAL CUP 66.0MM/28.0MM	SO15.INS.7965	1
56	LINER TRIAL CUP 68.0MM/28.0MM	SO15.INS.7970	1
57	LINER TRIAL CUP 70.0MM/28.0MM	SO15.INS.7975	1
58	LINER TRIAL CUP 72.0MM/28.0MM	SO15.INS.7980	1
59	LINER TRIAL CUP 74.0MM/28.0MM	SO15.INS.7985	1
60	LINER TRIAL CUP 76.0MM/28.0MM	SO15.INS.7990	1
61	LINER TRIAL CUP 52.0MM/32.0MM	SO15.INS.8034	1
62	LINER TRIAL CUP 54.0MM/32.0MM	SO15.INS.8035	1
63	LINER TRIAL CUP 56.0MM/32.0MM	SO15.INS.8036	1
64	LINER TRIAL CUP 58.0MM/32.0MM	SO15.INS.8037	1
65	LINER TRIAL CUP 60.0MM/32.0MM	SO15.INS.8038	1
66	LINER IMPACTOR 36.0MM	SO15.INS.8840	1
67	HANDLE FOR LINER IMPACTOR	SO15.INS.0824	1
68	HANDLE FOR REAMER	SO15.INS.0808	1
69	BONE LEAVER 95°	SO15.INS.0809	1
70	ANGLE MEASURE	SO15.INS.0810	1
71	FIXED ANGLE MEASURE	SO15.INS.0811	1
72	HANDLE FOR METAL TRIAL CUP / LINER TRIAL CUP	SO15.INS.0812	1
73	DRILL SLEEVE WITH HANDLE	SO15.INS.0813	1
74	FLEXIBLE DRILL SHAFT	SO15.INS.0814	1
76	DRILL BIT HEAD 15.0 CM	SO15.INS.0815	2
77	DRILL BIT HEAD 40.0 CM	SO15.INS.0816	2
78	FLEXIBLE DEPTH GAUGE	SO15.INS.0817	1
79	SCREW HOLDER FORCEP	SO15.INS.0818	1
80	SCREW DRIVER SW3.5	SO15.INS.0819	1
81	FLEXIBLE SCREW DRIVER SW3.5	SO15.INS.0820	1
82	LINER IMPACTOR 28.0 MM	SO15.INS.0822	1
83	LINER IMPACTOR 32.0MM	SO15.INS.8839	1
84	LINER CUP INSERT AND EXTRACTOR	SO15.INS.0823	1
85	CONTAINER FOR FINER™ HIP SYSTEM UNCEMENTED INSTRUMENT (CUP)	SO15.INS.UNHC	1

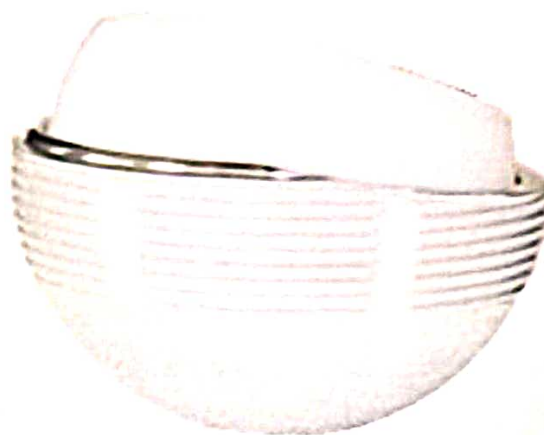
DUAL MOBILITY CUP

A double coating made of strong granulometry porous pure titanium and hydroxyapatite (HA) ensures an osteointegration in the acetabulum.

The acetabular cup is a primary anti-luxation cup to be impacted

Its primary stability is ensured by:

- A press-fit thanks to several retentive equatorial grooves providing an effective outer diameter greater than the nominal diameter (or size).
- An antirotational effect thanks to 6 meridian grooves (one every 60°), one of them opened being used as a reference mark for the cup orientation before impaction (1).



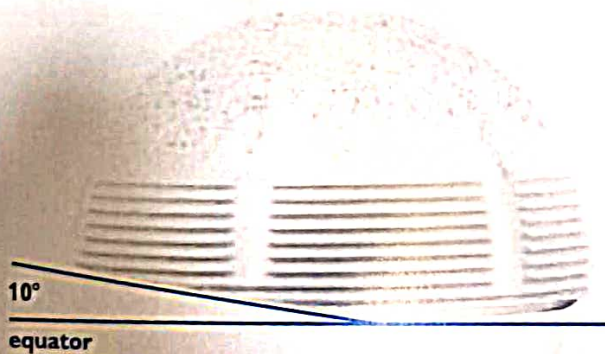
Coated Cup

DIAMETER	CAT. NO. TTL
42 mm	SP05.THR3434-T
44 mm	SP05.THR3435-T
46 mm	SP05.THR3436-T
48 mm	SP05.THR3437-T
50 mm	SP05.THR3438-T
52 mm	SP05.THR3439-T
54 mm	SP05.THR3440-T
56 mm	SP05.THR3441-T
58 mm	SP05.THR3442-T
60 mm	SP05.THR3443-T
62 mm	SP05.THR3444-T

Metal Back - Insert

The polyethylene insert is bipolar and spherical with an impaction system of the prosthetic head.

The antiluxation is ensured by the mobility of the insert in the cup and by the partial extension of the hemispheric cup, under its equatorial plane.



DUAL MOBILITY CUP

DIAMETER	XLPE	UNMWPE
42 mm / 22	SP05.THR3461-H	SP05.THR3461-U
44 mm / 22	SP05.THR3462-H	SP05.THR3462-U
46 mm / 28	SP05.THR3463-H	SP05.THR3463-U
48 mm / 28	SP05.THR3464-H	SP05.THR3464-U
50 mm / 28	SP05.THR3465-H	SP05.THR3465-U
52 mm / 28	SP05.THR3466-H	SP05.THR3466-U
54 mm / 28	SP05.THR3467-H	SP05.THR3467-U
56 mm / 28	SP05.THR3468-H	SP05.THR3468-U
58 mm / 28	SP05.THR3469-H	SP05.THR3469-U
60 mm / 28	SP05.THR3470-H	SP05.THR3470-U
62 mm / 28	SP05.THR3471-H	SP05.THR3471-U



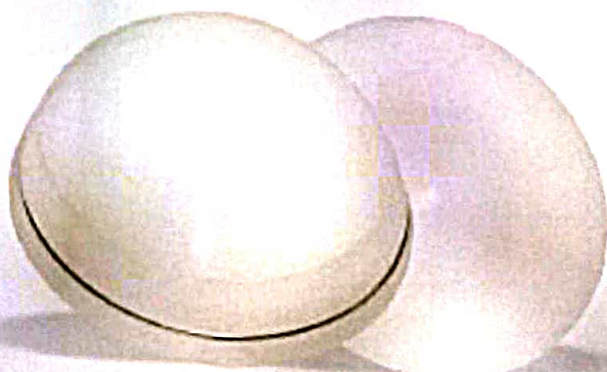
Marking of the Cup
of the Prehensor by
the NIRA's Reference Markers

DUAL MOBILITY CUP

Instruments Set



ITEM	DESCRIPTION	REFERENCE CODE	QUANTITY
1	INSTRUMENTATION SET COMPOSED OF 2 BOXES	SO15.DM.101	1
2	HANDLE FOR TRIAL CUP	SO15.DM.102	1
3	TRIAL ACETABULAR CUP 44.0 MM	SO15.DM.103	1
4	TRIAL ACETABULAR CUP 46.0 MM	SO15.DM.104	1
5	TRIAL ACETABULAR CUP 48.0 MM	SO15.DM.105	1
6	TRIAL ACETABULAR CUP 50.0 MM	SO15.DM.106	1
7	TRIAL ACETABULAR CUP 52.0 MM	SO15.DM.107	1
8	TRIAL ACETABULAR CUP 54.0 MM	SO15.DM.108	1
9	TRIAL ACETABULAR CUP 56.0 MM	SO15.DM.109	1
10	TRIAL ACETABULAR CUP 58.0 MM	SO15.DM.110	1
11	TRIAL ACETABULAR CUP 60.0 MM	SO15.DM.111	1
12	TRIAL ACETABULAR CUP 62.0 MM	SO15.DM.112	1
13	FINAL IMPACTOR	SO15.DM.113	1
14	GUIDE FOR PREHENSIVE HANDLE	SO15.DM.114	1
15	GUIDE	SO15.DM.115	1
16	PREHENSIVE HANDLE FOR FINAL CUP 44.0 MM	SO15.DM.116	1
17	PREHENSIVE HANDLE FOR FINAL CUP 46.0 MM	SO15.DM.117	1
18	PREHENSIVE HANDLE FOR FINAL CUP 48.0 MM	SO15.DM.118	1
19	PREHENSIVE HANDLE FOR FINAL CUP 50.0 MM	SO15.DM.119	1
20	PREHENSIVE HANDLE FOR FINAL CUP 52.0 MM	SO15.DM.120	1
21	PREHENSIVE HANDLE FOR FINAL CUP 54.0 MM	SO15.DM.121	1
22	PREHENSIVE HANDLE FOR FINAL CUP 56.0 MM	SO15.DM.122	1
23	PREHENSIVE HANDLE FOR FINAL CUP 58.0 MM	SO15.DM.123	1
24	PREHENSIVE HANDLE FOR FINAL CUP 60.0 MM	SO15.DM.124	1
25	PREHENSIVE HANDLE FOR FINAL CUP 62.0 MM	SO15.DM.125	1
26	TRIAL INSERT APOGEE D22 44.0 MM	SO15.DM.126	1
27	TRIAL INSERT APOGEE D22 46.0 MM	SO15.DM.127	1
28	TRIAL INSERT APOGEE D28 48.0 MM	SO15.DM.128	1
29	TRIAL INSERT APOGEE D28 50.0 MM	SO15.DM.129	1
30	TRIAL INSERT APOGEE D28 52.0 MM	SO15.DM.130	1
31	TRIAL INSERT APOGEE D28 54.0 MM	SO15.DM.131	1
32	TRIAL INSERT APOGEE D28 56.0 MM	SO15.DM.132	1
33	TRIAL INSERT APOGEE D28 58.0 MM	SO15.DM.133	1
34	TRIAL INSERT APOGEE D28 60.0 MM	SO15.DM.134	1
35	TRIAL INSERT APOGEE D28 62.0 MM	SO15.DM.135	1
36	HANDLE FOR REAMER	SO15.DM.136	1
37	REAMER SIZE 44.0 MM	SO15.DM.137	1
38	REAMER SIZE 46.0 MM	SO15.DM.138	1
39	REAMER SIZE 48.0 MM	SO15.DM.139	1
40	REAMER SIZE 50.0 MM	SO15.DM.140	1
41	REAMER SIZE 52.0 MM	SO15.DM.141	1
42	REAMER SIZE 54.0 MM	SO15.DM.142	1
43	REAMER SIZE 56.0 MM	SO15.DM.143	1
44	REAMER SIZE 58.0 MM	SO15.DM.144	1
45	REAMER SIZE 60.0 MM	SO15.DM.145	1
46	REAMER SIZE 62.0 MM	SO15.DM.146	1
47	PUSH INSERT 22	SO15.DM.147	1
48	PUSH INSERT 28	SO15.DM.148	1
49	PUSH INSERT	SO15.DM.149	1
50	EXTRACTOR FOR TRIAL INSERT	SO15.DM.150	1
51	KEY FOR CEMENTED CUP	SO15.DM.151	1
52	PRESS	SO15.DM.152	1



Acetabular Cup (Cemented)

INNER DIA.	28.0 MM	32.0 MM
OUTER DIA.	CAT. NO.	CAT. NO.
40 mm	SP05.THR0126-U	SP05.THR2284-U
42 mm	SP05.THR0128-U	SP05.THR2285-U
44 mm	SP05.THR0130-U	SP05.THR2286-U
46 mm	SP05.THR0132-U	SP05.THR2287-U
48 mm	SP05.THR0134-U	SP05.THR2288-U
50 mm	SP05.THR0136-U	SP05.THR2289-U
52 mm	SP05.THR0138-U	SP05.THR2290-U
54 mm	SP05.THR0140-U	SP05.THR2291-U
56 mm	SP05.THR0142-U	SP05.THR2292-U
58 mm	SP05.THR0144-U	SP05.THR2293-U
60 mm	SP05.THR0146-U	SP05.THR2294-U

Material : UHMWPE.
Head Coverage : 180°
Posterior Lift : 10° Prevent Dislocation

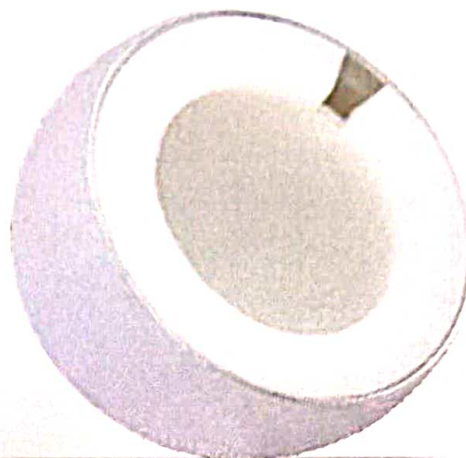
MODULAR SELF CENTERING CUP



Material : UHMWPE & S.S.

Not all Bi-Polar work like the Self-Centering Bipolar. The difference is positive eccentricity. As downward force is applied, the centers align themselves to the proper anatomic position and proper load distribution. In terms of wear, the Bi-Polar dual articulation uses primary internal articulation to help reduce secondary acetabular articulation and associated acetabular wear.

Note : Metal Cup & Liner comes in Separate packing. Internal Head Price is separate



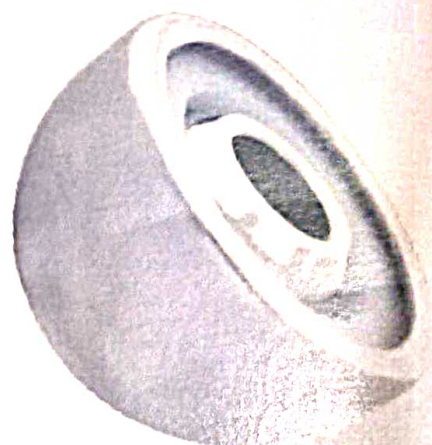
DIAMETER	26.0 MM
LENGTH	CAT. NO.
37 mm	SP05.THR4002
39 mm	SP05.THR4006
41 mm	SP05.THR4010
43 mm	SP05.THR4014

DIAMETER	28.0 MM
LENGTH	CAT. NO.
45 mm	SP05.THR4018
47 mm	SP05.THR4022
49 mm	SP05.THR4026
51 mm	SP05.THR4030
53 mm	SP05.THR4034
55 mm	SP05.THR4038
57 mm	SP05.THR4042

MODULAR BIPOLAR CUP

INTERNAL HEAD DIA.	26.0 MM			
INTERNAL HEAD LENGTH	CAT. NO.			
BIPOLAR CUP DIA.	+1.5 MM	+5.0 MM	+8.5 MM	+12.0 MM
37 mm	SP05.THR0144	SP05.THR0186	SP05.THR0228	SP05.THR0270
39 mm	SP05.THR0146	SP05.THR0188	SP05.THR0230	SP05.THR0272
41 mm	SP05.THR0148	SP05.THR0190	SP05.THR0232	SP05.THR0274
43 mm	SP05.THR0150	SP05.THR0192	SP05.THR0234	SP05.THR0276

INTERNAL HEAD DIA.	28.0 MM			
INTERNAL HEAD LENGTH	CAT. NO.			
BIPOLAR CUP DIA.	+1.5 MM	+5.0 MM	+8.5 MM	+12.0 MM
45 mm	SP05.THR0152	SP05.THR0194	SP05.THR0236	SP05.THR0278
47 mm	SP05.THR0154	SP05.THR0196	SP05.THR0238	SP05.THR0280
49 mm	SP05.THR0156	SP05.THR0198	SP05.THR0240	SP05.THR0282
51 mm	SP05.THR0158	SP05.THR0200	SP05.THR0242	SP05.THR0284
53 mm	SP05.THR0160	SP05.THR0202	SP05.THR0244	SP05.THR0286
55 mm	SP05.THR0162	SP05.THR0204	SP05.THR0246	SP05.THR0288



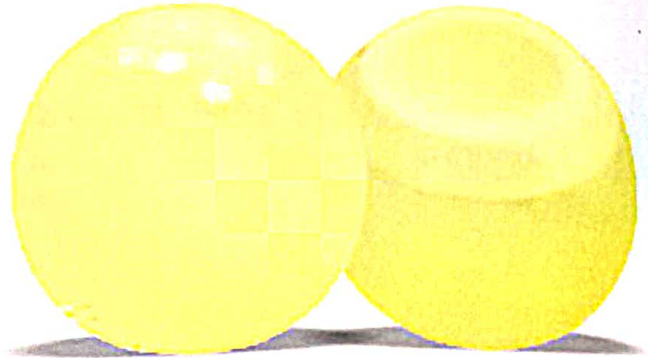
Material : UHMWPE & S.S.
Head Coverage : 180°

Internal Head : ISO 6474

The Internal head is made of ultrapure aluminium oxide ceramic in accordance with ISO 6474. This bioinert material has very high biocompatibility and biostable.

This means that the material and its friction products do not react in any way with the body, there is also no release of ions into the body. The advantages of aluminium oxide ceramic are further complemented by its excellent resistance to fatigue, excellent fracture toughness and extreme hardness.

The very high durability of this material and the marked smoothness of the surface guarantee only minimal wear. Internal heads are tested with our cone materials in accordance with ISO 7206-10 and are compatible with our PE components.



Material : Ceramic (ISO 6474)
Cone : 12/14

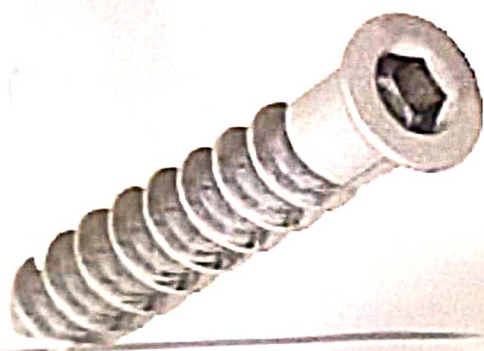
LENGTH	SIZE	CAT. NO.
28.0 mm	SMALL	SP05.THR0076-C
28.0 mm	MEDIUM	SP05.THR0077-C
28.0 mm	LARGE	SP05.THR0078-C
32.0 mm	SMALL	SP05.THR0091-C
32.0 mm	MEDIUM	SP05.THR0092-C
32.0 mm	LARGE	SP05.THR0093-C
36.0 mm	SMALL	SP05.THR0106-C
36.0 mm	MEDIUM	SP05.THR0107-C
36.0 mm	LARGE	SP05.THR0108-C



Material : S.S. / Co. Cr.

DIAMETER	22.0 MM			26.0 MM	
	LENGTH	CAT. NO. S.S.	CAT. NO. Co.Cr.	S.S.	CAT. NO. Co.Cr.
+1.0 mm		X	X		X
+1.5 mm		SP05.THR0031	SP05.THR0031-L	SP05.THR0061	SP05.THR0061-L
+5.0 mm		SP05.THR0032	SP05.THR0032-L	SP05.THR0062	SP05.THR0062-L
+8.5 mm		SP05.THR0033	SP05.THR0033-L	SP05.THR0063	SP05.THR0063-L
+9.0 mm		X	X		X
+12.0 mm		SP05.THR0034	SP05.THR0034-L	SP05.THR0064	SP05.THR0064-L

DIAMETER	28.0 MM		32.0 MM		36.0 MM	
	LENGTH	CAT. NO. S.S.	CAT. NO. Co.Cr.	CAT. NO. S.S.	CAT. NO. Co.Cr.	CAT. NO. Co.Cr.
+1.0 mm		X	X	SP05.THR0091	SP05.THR0091-L	X
+1.5 mm		SP05.THR0076	SP05.THR0076-L	X	X	SP05.THR0106
+5.0 mm		SP05.THR0077	SP05.THR0077-L	SP05.THR0092	SP05.THR0092-L	SP05.THR0107
+8.5 mm		SP05.THR0078	SP05.THR0078-L	X	X	SP05.THR0108
+9.0 mm		X	X	SP05.THR0093	SP05.THR0093-L	X
+12.0 mm		SP05.THR0079	SP05.THR0079-L	X	X	SP05.THR0109



Material : S.S. / TIT.
Head Diameter : 6.5 mm

SIZE	CAT. NO. S.S.	CAT. NO. TIT.
16 mm	SP05.THR0448	SP05.THR0448-T
18 mm	SP05.THR0449	SP05.THR0449-T
20 mm	SP05.THR0450	SP05.THR0450-T
22 mm	SP05.THR0451	SP05.THR0451-T
24 mm	SP05.THR0452	SP05.THR0452-T
26 mm	SP05.THR0453	SP05.THR0453-T
28 mm	SP05.THR0454	SP05.THR0454-T
30 mm	SP05.THR0455	SP05.THR0455-T
32 mm	SP05.THR0456	SP05.THR0456-T
34 mm	SP05.THR0457	SP05.THR0457-T
36 mm	SP05.THR0458	SP05.THR0458-T

without CLIFF



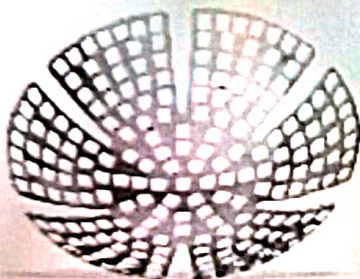
STD.		
SIZE	CAT. NO. S.S.	CAT. NO. TIT.
48 mm	SP05.THR0613	SP05.THR0613-T
54 mm	SP05.THR0619	SP05.THR0619-T

with CLIFF



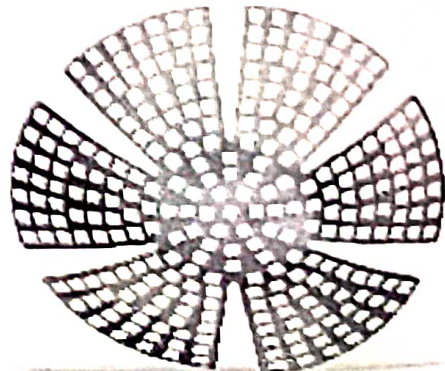
STD.		
SIZE	CAT. NO. S.S.	CAT. NO. TIT.
48 mm	SP05.THR2435	SP05.THR2435-T
54 mm	SP05.THR2441	SP05.THR2441-T

MESH SMALL



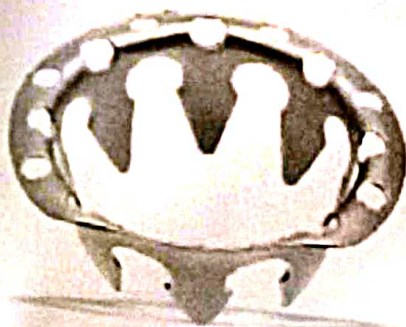
SMALL		
SIZE	CAT. NO. S.S.	CAT. NO. TIT.
70 mm	SP05.THR2532	SP05.THR2532-T

MESH LARGE



LARGE		
SIZE	CAT. NO. S.S.	CAT. NO. TIT.
87 mm	SP05.THR2533	SP05.THR2533-T

CUPS for ACETABULAR PROTRUSION



STD.		
SIZE	CAT. NO. S.S.	CAT. NO. TIT.
65 mm	SP05.THR3974	SP05.THR3974-T
70 mm	SP05.THR3975	SP05.THR3975-T
75 mm	SP05.THR3976	SP05.THR3976-T

**BIPOLAR
PROSTHESIS**
(STERILE)



Product Information

- The Bipolar Hip operation is usually performed on older patients suffering from a dislocated fracture.
- The operation is swift, and the patient can start the rehabilitation program the next day.
- Intended for hemiarthroplasty for patients with massive acetabular deficiencies which do not permit secure fixation of the acetabular component.
- Hip instability caused by a deficiency of the abductors is a relative indication.
- If patient has no abductor musculature, bipolar implant provides added stability against dislocation.

Material : UHMWPE & Stainless Steel

DIA. / SIZE	LENGTH	CAT. NO. S.S.
35 mm	STD.	SP05.PR0043
36 mm	STD.	SP05.PR0044
37 mm	STD.	SP05.PR0045
38 mm	STD.	SP05.PR0046
39 mm	STD.	SP05.PR0047
40 mm	STD.	SP05.PR0048
41 mm	STD.	SP05.PR0049
42 mm	STD.	SP05.PR0050
43 mm	STD.	SP05.PR0051
44 mm	STD.	SP05.PR0052
45 mm	STD.	SP05.PR0053
46 mm	STD.	SP05.PR0054
47 mm	STD.	SP05.PR0055
48 mm	STD.	SP05.PR0056
49 mm	STD.	SP05.PR0057
50 mm	STD.	SP05.PR0058
51 mm	STD.	SP05.PR0059
52 mm	STD.	SP05.PR0060
53 mm	STD.	SP05.PR0061
54 mm	STD.	SP05.PR0062
55 mm	STD.	SP05.PR0063

Product Information

- Austin Moore Hip Prosthesis - Stainless Steel (Standard). Hip Prosthesis are indicated for degenerated femoral head replacement.
- Designed approximately similar to anatomical shape of femoral head.
- The fenestrated stem allows the bone growth for improved fixation.
- The Austin Moore Hip Prosthesis is available in different head sizes to fit accurately in acetabulum.

Material : Stainless Steel

DIA. / SIZE	LENGTH	CAT. NO. S.S.
35 mm	STD.	SP05.PR0001
36 mm	STD.	SP05.PR0002
37 mm	STD.	SP05.PR0003
38 mm	STD.	SP05.PR0004
39 mm	STD.	SP05.PR0005
40 mm	STD.	SP05.PR0006
41 mm	STD.	SP05.PR0007
42 mm	STD.	SP05.PR0008
43 mm	STD.	SP05.PR0009
44 mm	STD.	SP05.PR0010
45 mm	STD.	SP05.PR0011
46 mm	STD.	SP05.PR0012
47 mm	STD.	SP05.PR0013
48 mm	STD.	SP05.PR0014
49 mm	STD.	SP05.PR0015
50 mm	STD.	SP05.PR0016
51 mm	STD.	SP05.PR0017
52 mm	STD.	SP05.PR0018
53 mm	STD.	SP05.PR0019
54 mm	STD.	SP05.PR0020
55 mm	STD.	SP05.PR0021



Product Information

- Thompson Hip Prosthesis - Stainless Steel (Standard). 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.

Material : Stainless Steel

DIA. / SIZE	LENGTH	CAT. NO. S.S.
35 mm	STD / NARROW	SP05.PR0022
36 mm	STD / NARROW	SP05.PR0023
37 mm	STD / NARROW	SP05.PR0024
38 mm	STD / NARROW	SP05.PR0025
39 mm	STD / NARROW	SP05.PR0026
40 mm	STD / NARROW	SP05.PR0027
41 mm	STD / NARROW	SP05.PR0028
42 mm	STD / NARROW	SP05.PR0029
43 mm	STD / NARROW	SP05.PR0030
44 mm	STD / NARROW	SP05.PR0031
45 mm	STD / NARROW	SP05.PR0032
46 mm	STD / NARROW	SP05.PR0033
47 mm	STD / NARROW	SP05.PR0034
48 mm	STD / NARROW	SP05.PR0035
49 mm	STD / NARROW	SP05.PR0036
50 mm	STD / NARROW	SP05.PR0037
51 mm	STD / NARROW	SP05.PR0038
52 mm	STD / NARROW	SP05.PR0039
53 mm	STD / NARROW	SP05.PR0040
54 mm	STD / NARROW	SP05.PR0041
55 mm	STD / NARROW	SP05.PR0042