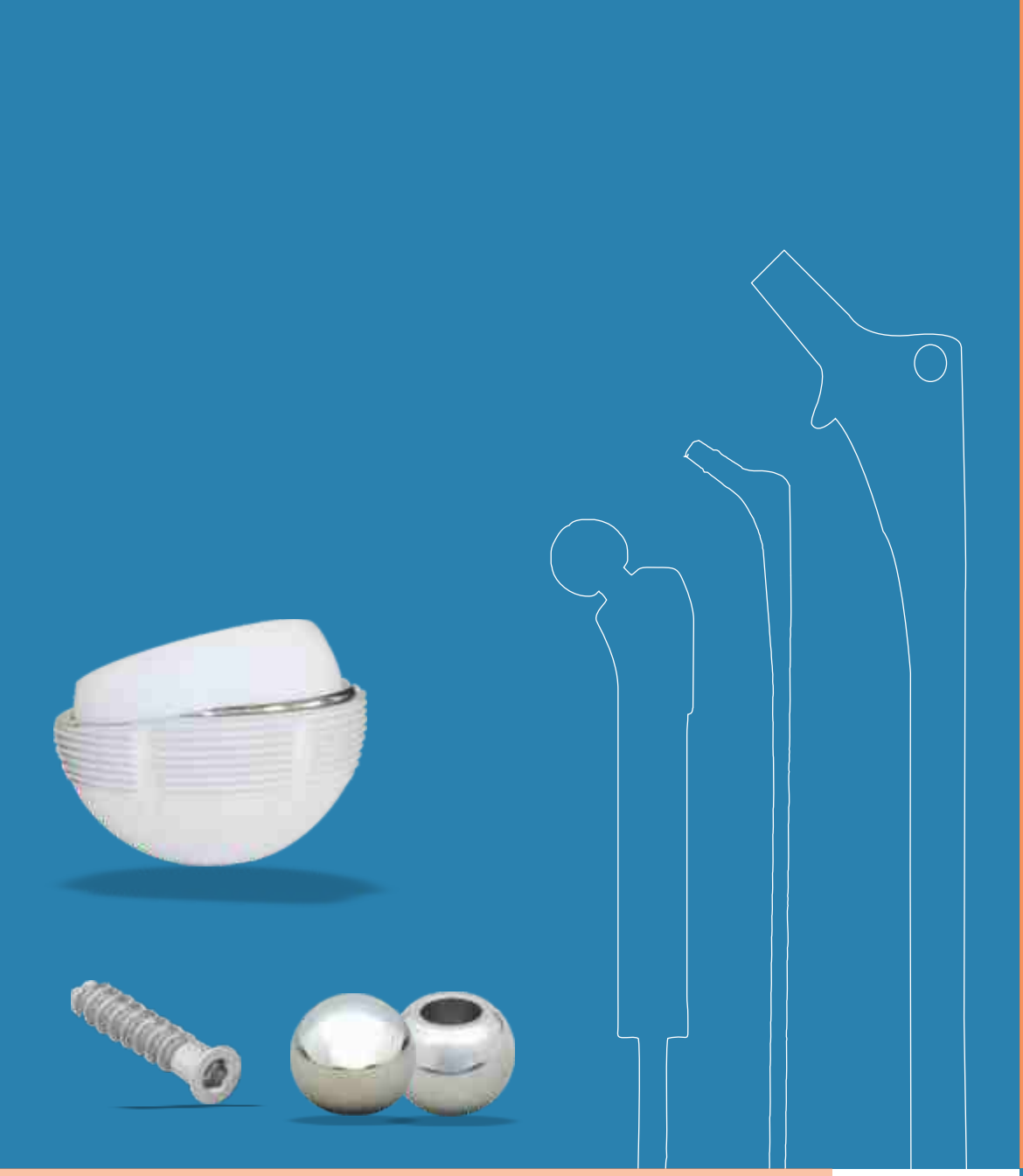

Implants & Instrument

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CE 1023 CERTIFICATE

CE 3365 CERTIFICATE

ISO 13485 CERTIFICATE

Introduction

SHARMA MEDICAL (SHARMA PHARMACEUTICAL PVT. LTD.) is globally renowned and a foremost manufacturer and exporter in orthopaedic implants and instruments. We continuously explore our products globally with well expertise, specialized and well renowned orthopedic surgeons. We are Serving the orthopedics globally with the best quality of implants and instruments since 1992 i.e. more than 25 years.

PRODUCT LINES :

1. **ARTHROPLASTY** (TOTAL KNEE REPLACEMENT, TOTAL HIP REPLACEMENT, SHOULDER REPLACEMENT ETC. IN CEMENTED & UNCEMENTED)
2. **HEMI-ARTHROPLASTY** (MODULAR BI-POLAR HIP, BI- POLAR HIP, AMP, THOMPSON PROSTHESIS ETC. IN CEMENTED & UNCEMENTED)
3. **ARTHROSCOPY IMPLANTS**
4. **SPINAL IMPLANTS** (CERVICAL, THORACOLUMBER & LUMBOSACRAL) & CAGES (TITANIUM AND PEEK)
5. **CANNULATED CANCELLOUS SCREWS**
6. **EXTERNAL FIXATOR**
7. **PINS AND WIRES**
8. **ORAL & MAXILLOFACIAL IMPLANTS**
9. **BONE PLATES AND BONE SCREWS** (LOCKED SYSTEMS AND NON LOCKED SYSTEMS)
10. **INTERLOCKING NAILS, LOCKING BOLTS AND ACCESSORIES**
11. **GENERAL INSTRUMENTS**

SHARMA MEDICAL (SHARMA PHARMACEUTICAL PVT. LTD.) is well certified & accredited by Indian and European Union legal regulations [CE, FDA(Indian), GMP, ISO 9001:2015, ISO 13485:2016]. This credential gives us an edge to supply our products all over the world. Also we do maintain the international standards in the terms of Quality and services. We provide flexible supports that assist companies and individuals to meet their objectives by giving the best possible service at an affordable price.

SHARMA MEDICAL (SHARMA PHARMACEUTICAL PVT. LTD.) is professionally managed company that believes in building long-term business relationship with their clients. Further more information to strengthen our commitment is contained in the company's website i.e. **www.spcpl.com**

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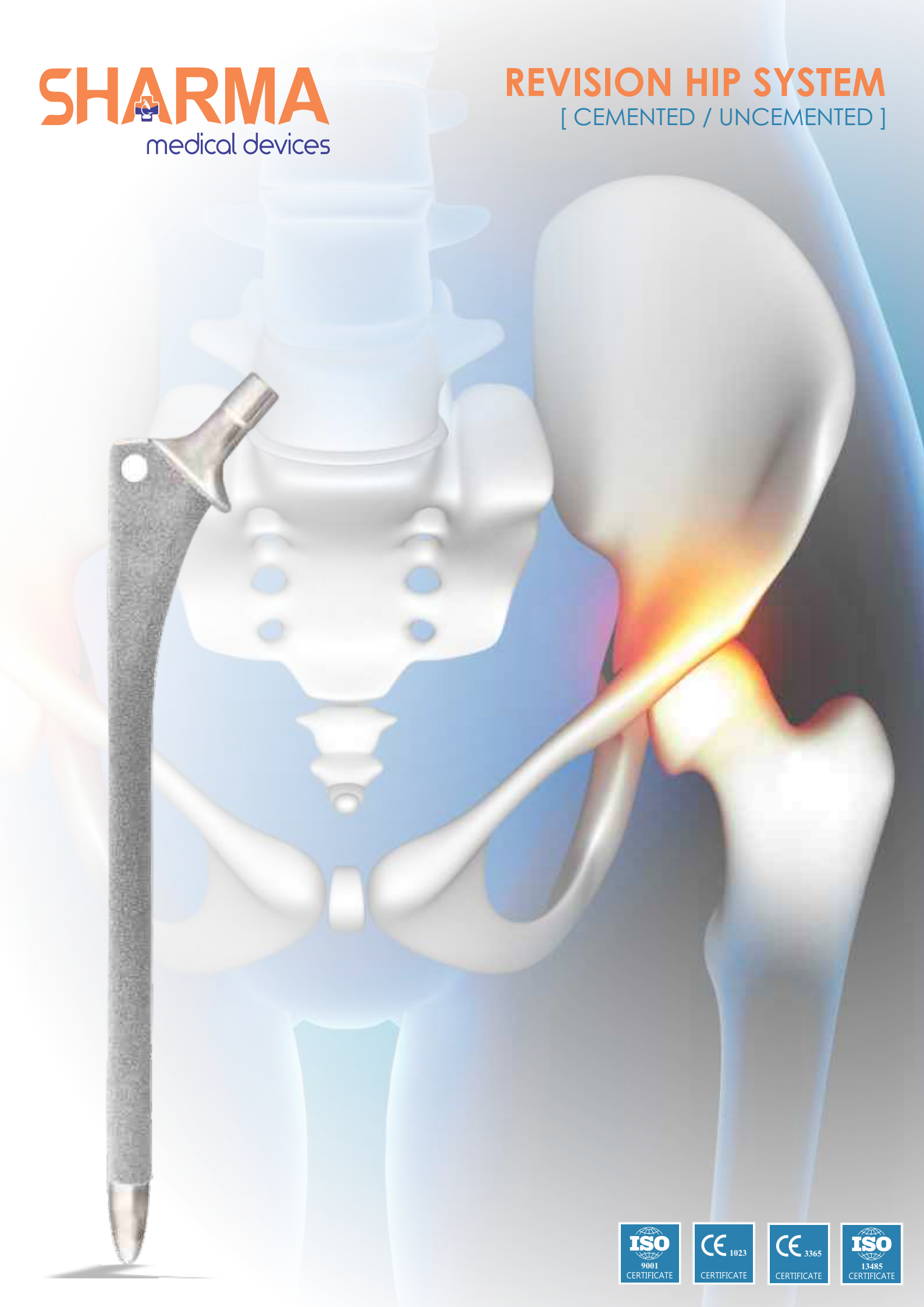
REVISION HIP SYSTEM

[CEMENTED / UNCEMENTED]



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Material : Co.Cr.
Coating : Porous 250 μ (± 30 μ)

LENGTH	220 mm
DIAMETER	CAT. NO.
9.0 mm	S23.THR0004R-L
10.5 mm	S23.THR0005R-L
12.0 mm	S23.THR0006R-L
13.5 mm	S23.THR0007R-L
15.0 mm	S23.THR0008R-L
16.5 mm	S23.THR0009R-L

LENGTH	275 mm	
DIAMETER	CAT. NO. (LEFT)	CAT. NO. (RIGHT)
12.0 mm	S23.THR2324R-L	S23.THR2357R-L
13.5 mm	S23.THR2325R-L	S23.THR2358R-L
15.0 mm	S23.THR2326R-L	S23.THR2359R-L
16.5 mm	S23.THR2327R-L	S23.THR2360R-L

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.

DESIGN AND TECHNOLOGY

FIXATION ONLY POROUS COATING
The Revision Hip System Stem prosthesis is a fully porous coated stem. Subsequently, a 250 μ ($\pm$30 μ) 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 15.0mm calcar platforms.

FEATURE & BENEFIT
Rough Coat Coating sintered bead porous coating allows for scratch fit. 250 μ ($\pm$30 μ) 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.

Indication

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

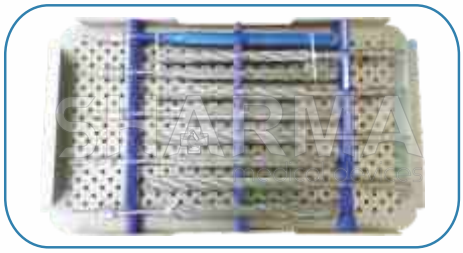
- Osteoarthritis
- Avascular necrosis
- Traumatic arthritis
- Intraoperative Fracture
- Soft tissues necrosis
- Dislocation of previous implants
- Loosening of femoral components
- Weakening of bone around Hip joint - Osteolysis
- Massive Bone loss and challenge especially in presence of infection

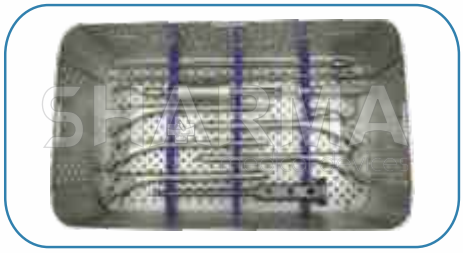
Clinical Goals

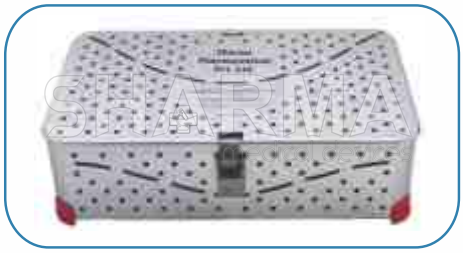
- Fixation
- Range of Motion
- Versatility
- Simplicity

INSTRUMENTS SET

ITEM	DESCRIPTION	REFERENCE CODE	QUANTITY
1	DRILL BIT 6.0 MM	S23.INS.1301	1
2	DRILL BIT 8.0 MM	S23.INS.1302	1
3	REAMER 8.0 MM	S23.INS.1303	1
4	REAMER 8.5 MM	S23.INS.1304	1
5	REAMER 9.0 MM	S23.INS.1305	1
6	REAMER 9.5 MM	S23.INS.1306	1
7	REAMER 10.0 MM	S23.INS.1307	1
8	REAMER 10.5 MM	S23.INS.1308	1
9	REAMER 11.0 MM	S23.INS.1309	1
10	REAMER 11.5 MM	S23.INS.1310	1
11	REAMER 12.0 MM	S23.INS.1311	1
12	REAMER 12.5 MM	S23.INS.1312	1
13	REAMER 13.0 MM	S23.INS.1313	1
14	REAMER 13.5 MM	S23.INS.1314	1
15	REAMER 14.0 MM	S23.INS.1315	1
16	REAMER 14.5 MM	S23.INS.1316	1
17	REAMER 15.0 MM	S23.INS.1317	1
18	REAMER 15.5 MM	S23.INS.1318	1
19	REAMER 16.0 MM	S23.INS.1319	1
20	REAMER 16.5 MM	S23.INS.1320	1
21	REAMER 17.0 MM	S23.INS.1321	1
22	REAMER 17.5 MM	S23.INS.1322	1
23	REAMER 18.0 MM	S23.INS.1323	1
24	REAMER 18.5 MM	S23.INS.1324	1
25	REAMER 19.0 MM	S23.INS.1325	1
26	REAMER 19.5 MM	S23.INS.1326	1
27	REAMER 20.0 MM	S23.INS.1327	1
28	SHAFT REAMER 6.0 MM	S23.INS.1328	1
29	SHAFT REAMER 6.5 MM	S23.INS.1329	1
30	SHAFT REAMER 7.0 MM	S23.INS.1330	1
31	SHAFT REAMER 7.5 MM	S23.INS.1331	1
32	SHAFT REAMER 8.0 MM	S23.INS.1332	1
33	SHAFT REAMER 8.5 MM	S23.INS.1333	1
34	SHAFT REAMER 9.0 MM	S23.INS.1334	1
35	SHAFT REAMER 9.5 MM	S23.INS.1335	1
36	SHAFT REAMER 10.0 MM	S23.INS.1336	1
37	SHAFT REAMER 10.5 MM	S23.INS.1337	1
38	SHAFT REAMER 11.0 MM	S23.INS.1338	1
39	SHAFT REAMER 11.5 MM	S23.INS.1339	1
40	SHAFT REAMER 12.0 MM	S23.INS.1340	1
41	SHAFT REAMER 12.5 MM	S23.INS.1341	1
42	SHAFT REAMER 13.0 MM	S23.INS.1342	1
43	SHAFT REAMER 13.5 MM	S23.INS.1343	1
44	SHAFT REAMER 14.0 MM	S23.INS.1344	1
45	SHAFT REAMER 14.5 MM	S23.INS.1345	1
46	SHAFT REAMER 15.0 MM	S23.INS.1346	1
47	SHAFT REAMER 15.5 MM	S23.INS.1347	1
48	SHAFT REAMER 16.0 MM	S23.INS.1348	1
49	STEM IMPECTOR	S23.INS.1349	1
50	FEMORAL REVISION STEM 220-9.0 MM	S23.INS.1350	1
51	FEMORAL REVISION STEM 220-10.5 MM	S23.INS.1351	1
52	FEMORAL REVISION STEM 220-12.0 MM	S23.INS.1352	1
53	FEMORAL REVISION STEM 220-13.5 MM	S23.INS.1353	1
54	FEMORAL REVISION STEM 220-15.0 MM	S23.INS.1354	1
55	FEMORAL REVISION STEM 220-16.5 MM	S23.INS.1355	1
56	FEMORAL REVISION STEM 275-12.0 MM (LEFT)	S23.INS.1356	1
57	FEMORAL REVISION STEM 275-12.0 MM (RIGHT)	S23.INS.1357	1
58	FEMORAL REVISION STEM 275-13.5 MM (LEFT)	S23.INS.1358	1
59	FEMORAL REVISION STEM 275-13.5 MM (RIGHT)	S23.INS.1359	1
60	FEMORAL REVISION STEM 275-15.0 MM (LEFT)	S23.INS.1360	1
61	FEMORAL REVISION STEM 275-15.0 MM (RIGHT)	S23.INS.1361	1
62	FEMORAL REVISION STEM 275-16.5 MM (LEFT)	S23.INS.1362	1
63	FEMORAL REVISION STEM 275-16.5 MM (RIGHT)	S23.INS.1363	1
64	QUICK COUPLING HANDLE	S23.INS.9583	2
65	EXACTOR HOOK	S23.INS.9584	3
66	EXACTOR ROD WITH HAMMER	S23.INS.9585	2
67	CONTAINER FOR REVISION HIP SYSTEM- UNCEMENTED INSTRUMENT	S23.INS.RHS-U	1







12/14 taper enabling versality in Femoral Head choice

Available in Collarless only

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	S23.THR3900
MEDIUM	S23.THR3908
LARGE	S23.THR3916

250 MM	
SIZE	CAT. NO. S.S.
SMALL	S23.THR3901
MEDIUM	S23.THR3909
LARGE	S23.THR3917

300 MM	
SIZE	CAT. NO. S.S.
SMALL	S23.THR3902
MEDIUM	S23.THR3910
LARGE	S23.THR3918

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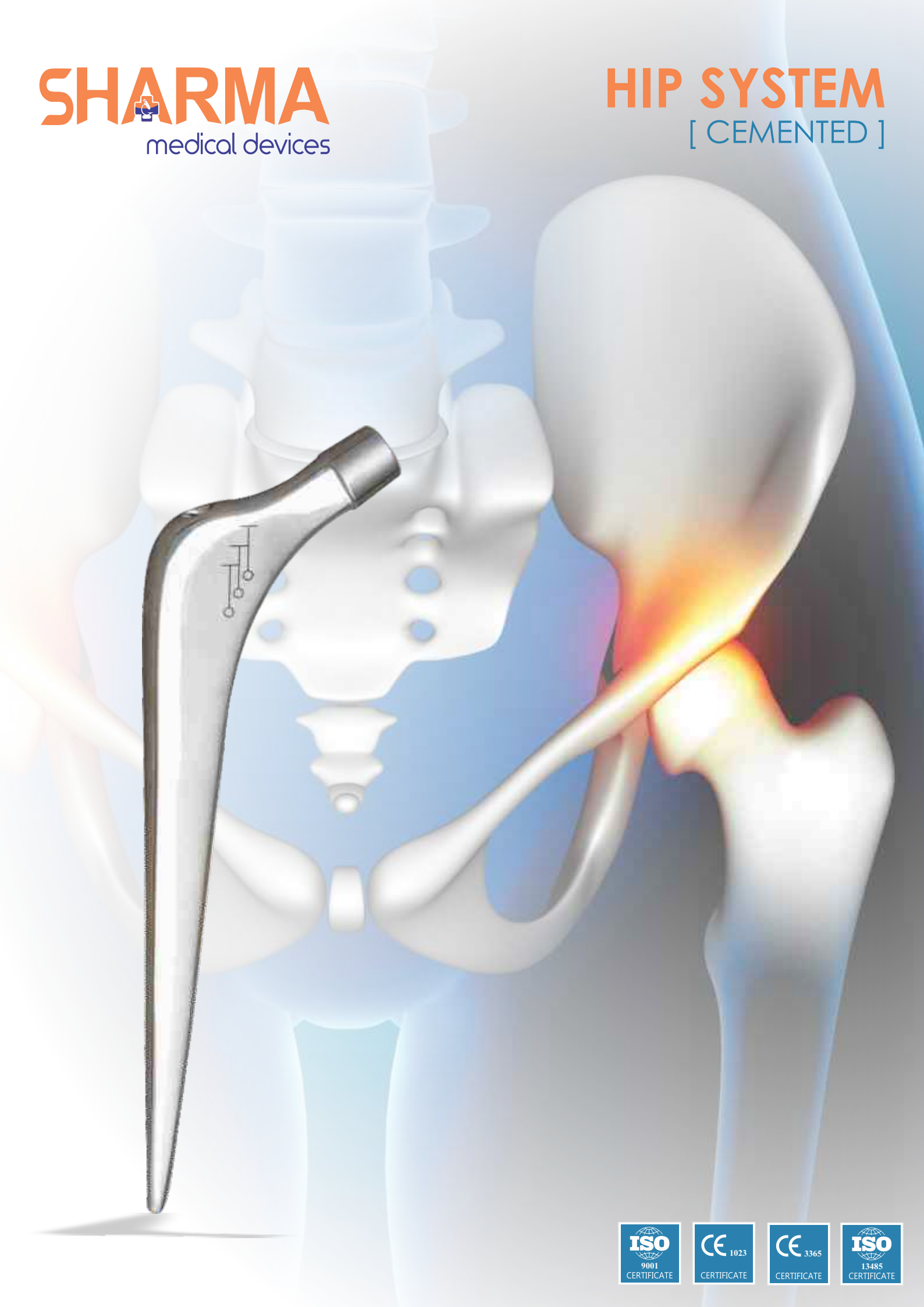
HIP SYSTEM
[CEMENTED]



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FEMORAL STEM
(Cemented) Standard Offset

Material : Stainless Steel

SIZE	CAT. NO. S.S.
SMALL	S23.THR0001
MEDIUM	S23.THR0002
LARGE	S23.THR0003
EXTRA LARGE	S23.THR0004

ESSENTIAL PRODUCT INFORMATION
HIP SYSTEM (Cemented)

IMPORTANT
This Essential Product Information sheet does not include all of the information necessary for selection and use of a device. Please see full labeling for all necessary information.

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.

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.

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.

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 & muscles paralysis condition. Joints like Knee Joint severe genu varus or genu valgus mis alignment.
D. In Knee It Retropatellar Degenerative arthritis.

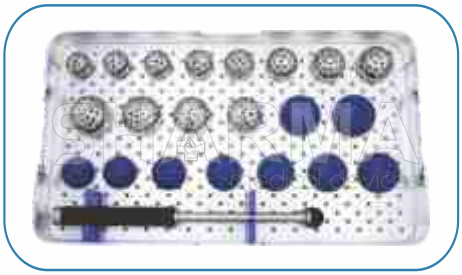
ADVERSE EVENTS OF HIP REPLACEMENT

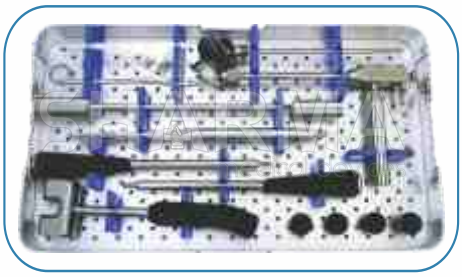
The following are the most fragment adverse events after Hip Arthroplasty / Replacements.

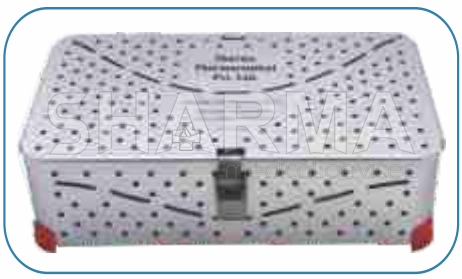
A. Swelling & Noise from Hip It.
B. Prosthesis Working Loose.
C. Vascular Thrombosis.
D. Cardiovascular Disturbances
E. Soft Tissue Necrosis.
F. Nerve Injuries.
G. Limb Length Discrepancy.

INSTRUMENTS SET

ITEM	DESCRIPTION	REFERENCE CODE	QUANTITY
1	ACETABULAR REAMER 38.0MM	S23.INS.0891	1
2	ACETABULAR REAMER 40.0MM	S23.INS.0892	1
3	ACETABULAR REAMER 42.0MM	S23.INS.0893	1
4	ACETABULAR REAMER 44.0MM	S23.INS.0894	1
5	ACETABULAR REAMER 46.0MM	S23.INS.0895	1
6	ACETABULAR REAMER 48.0MM	S23.INS.0896	1
7	ACETABULAR REAMER 50.0MM	S23.INS.0897	1
8	ACETABULAR REAMER 52.0MM	S23.INS.0898	1
9	ACETABULAR REAMER 54.0MM	S23.INS.0899	1
10	ACETABULAR REAMER 56.0MM	S23.INS.0900	1
11	ACETABULAR REAMER 58.0MM	S23.INS.0901	1
12	ACETABULAR REAMER 60.0MM	S23.INS.0902	1
13	HANDLE FOR REAMER	S23.INS.0903	1
14	ACETABULAR TRIAL CUP 40.0MM/28.0MM	S23.INS.8763	1
15	ACETABULAR TRIAL CUP 42.0MM/28.0MM	S23.INS.8764	1
16	ACETABULAR TRIAL CUP 44.0MM/28.0MM	S23.INS.0904	1
17	ACETABULAR TRIAL CUP 46.0MM/28.0MM	S23.INS.0905	1
18	ACETABULAR TRIAL CUP 48.0MM/28.0MM	S23.INS.0906	1
19	ACETABULAR TRIAL CUP 50.0MM/28.0MM	S23.INS.0907	1
20	ACETABULAR TRIAL CUP 52.0MM/28.0MM	S23.INS.0908	1
21	ACETABULAR TRIAL CUP 54.0MM/28.0MM	S23.INS.0909	1
22	ACETABULAR TRIAL CUP 56.0MM/28.0MM	S23.INS.0910	1
23	ACETABULAR TRIAL CUP 58.0MM/28.0MM	S23.INS.0911	1
24	ACETABULAR TRIAL CUP 60.0MM/28.0MM	S23.INS.0912	1
25	BONE LEAVER 95°	S23.INS.0913	1
26	ACETABULAR IMPACTOR 28.0MM	S23.INS.0914	1
27	ACETABULAR TRIAL CUP HOLDER (LEFT/RIGHT)	S23.INS.0915	1
28	OSTEOTOMY RULER	S23.INS.0917	1
29	DISTRACTOR BROAD (44)	S23.INS.0918	1
30	DISTRACTOR (Y SHAPE)	S23.INS.0919	1
31	DISTRACTOR SMALL (16)	S23.INS.0920	1
32	LINER EXTRACTOR	S23.INS.0921	1
33	FEMORAL HEAD EXTRACTOR WITH FIBER HANDLE	S23.INS.0922	1
34	BOX SHAPE OSTEOTOME STRAIGHT	S23.INS.0923	1
35	CANAL REAMER WITH T HANDLE (LARGE)	S23.INS.0924	1
36	CANAL REAMER WITH T HANDLE (SMALL)	S23.INS.0925	1
37	T HANDLE WITH QUICK COUPLING	S23.INS.0926	1
38	EXTRACTOR HOOK	S23.INS.0927	2
39	OFFSET TRIAL	S23.INS.0928	2
40	TRIAL HEAD 28+1.5 WITH RTI	S23.INS.0929	2
41	TRIAL HEAD 28+5 WITH RTI	S23.INS.0930	2
42	TRIAL HEAD 28+8.5 WITH RTI	S23.INS.0931	2
43	TRIAL HEAD 28+12 WITH RTI	S23.INS.0932	2
44	TRIAL (SMALL)	S23.INS.0933	1
45	TRIAL (MEDIUM)	S23.INS.0934	1
46	TRIAL (LARGE)	S23.INS.0935	1
47	TRIAL (X LARGE)	S23.INS.0936	1
48	TRIAL STEM HANDLE (BROACH HANDLE)	S23.INS.0937	1
49	SLOTTED HAMMER	S23.INS.0938	1
50	STEM HOLDER (CEMENTED)	S23.INS.0939	1
51	QUICK COUPLING ADAPTOR	S23.INS.0940	1







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HIP SYSTEM

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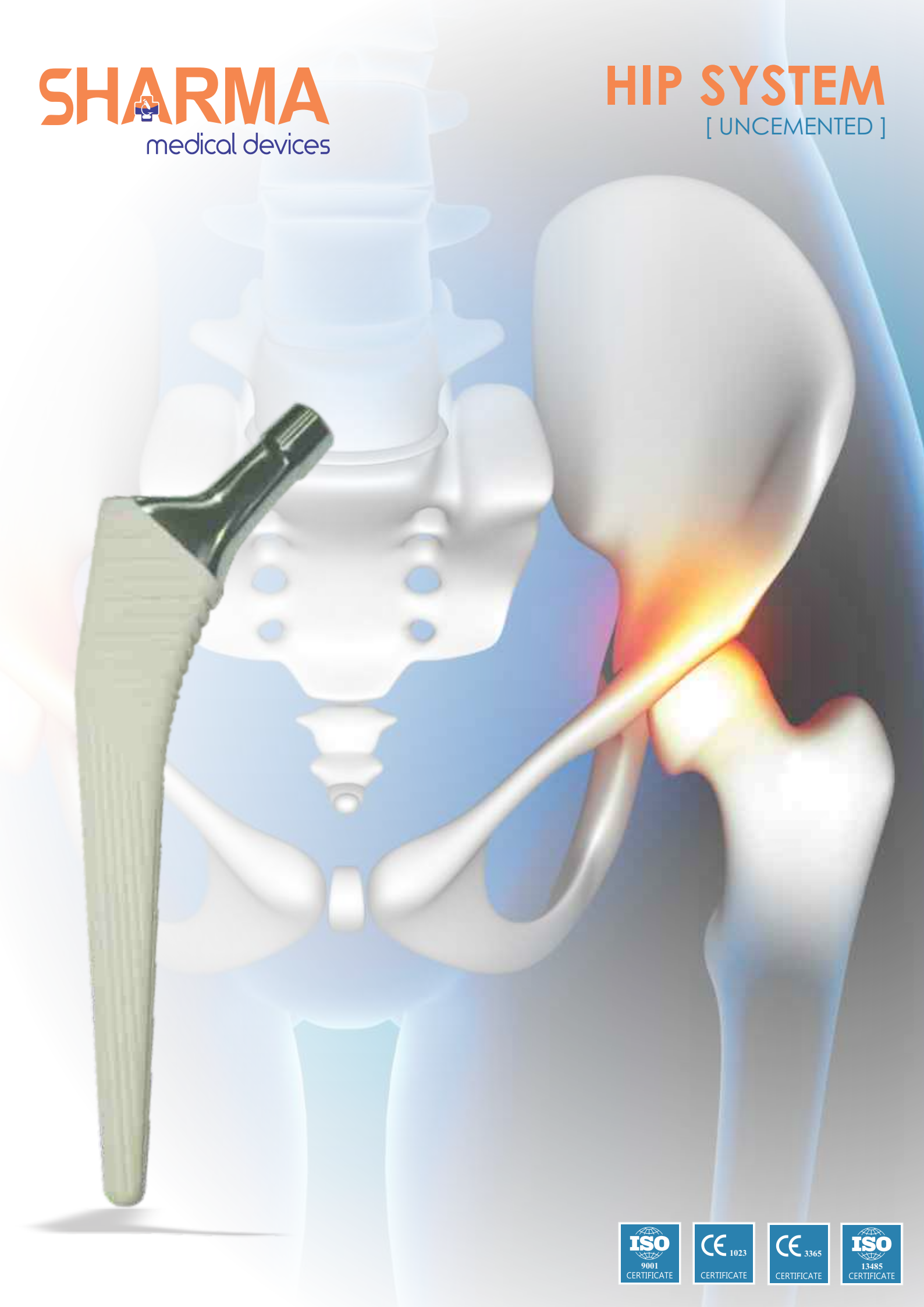

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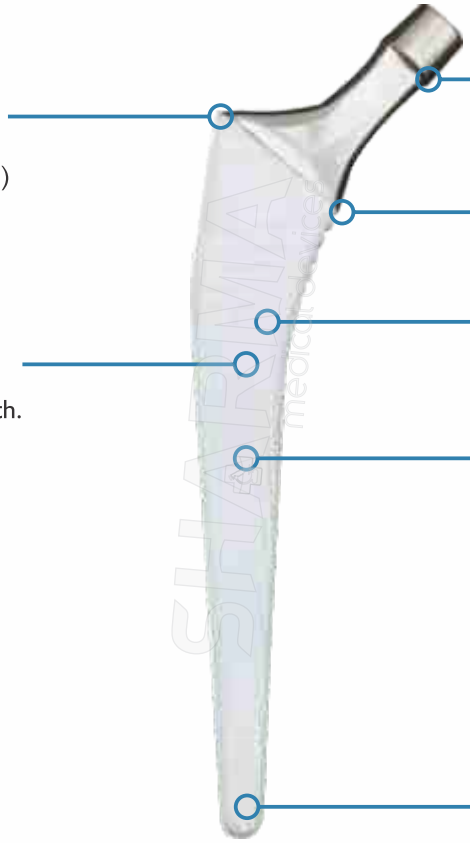
FEMORAL STEM

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

The HA coating with plasma spraying, thickness of 150 μ 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.

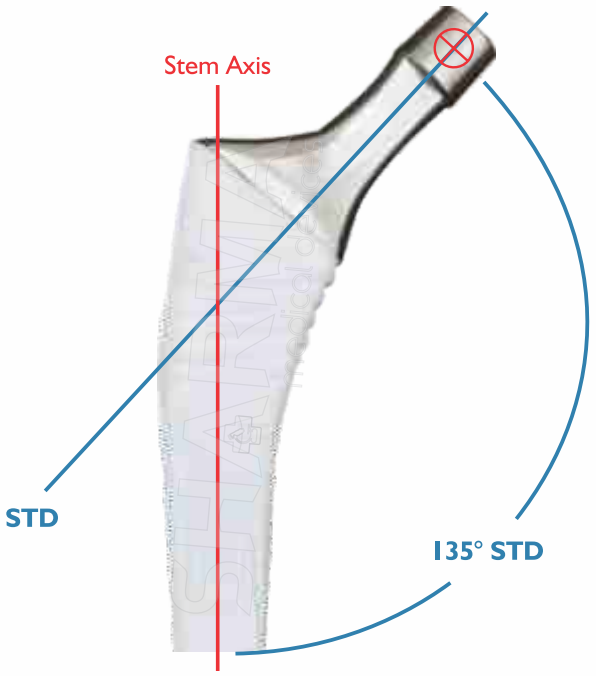
Longitudinal grooves use the bone Implant contact surface, avoiding rotation & reducing distal rigidity.

Distal end provides effective platform for long term biological fixation

Material : S.S. / TIT.
Coating : HA 150 μ ($\pm$ 30 μ)

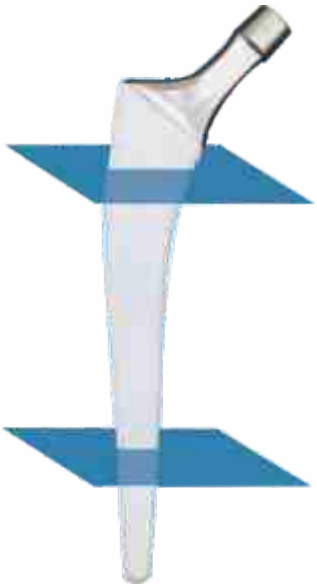
SIZE	LENGTH	CAT. NO. S.S.	CAT. NO. TIT.
8.0mm	136.3 mm	S23.THR0354	S23.THR0354-T
9.0mm	151.7 mm	S23.THR0355	S23.THR0355-T
10.0mm	161.5 mm	S23.THR0356	S23.THR0356-T
11.0mm	165.9 mm	S23.THR0357	S23.THR0357-T
12.0mm	171.7 mm	S23.THR0358	S23.THR0358-T
13.0mm	176.9 mm	S23.THR0359	S23.THR0359-T
14.0mm	181.5 mm	S23.THR0360	S23.THR0360-T
15.0mm	186.7 mm	S23.THR0361	S23.THR0361-T
16.0mm	191.1 mm	S23.THR0362	S23.THR0362-T

ENHANCED MOTION



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

This Essential Product Information sheet does not include all of the information necessary for selection and use of a device. Please see full labeling for all necessary information.

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 AND 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

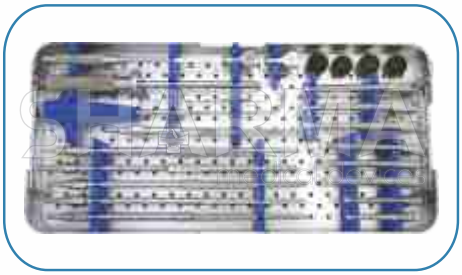
The following are the most fragment adverse events after Hip Arthroplasty / Replacements.

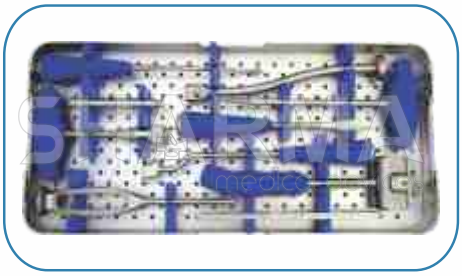
A. Swelling & Noise from Hip It.
B. Prosthesis Working Loose.
C. Vascular Thrombosis.
D. Cardiovascular Disturbances
E. Soft Tissue Necrosis.
F. Nerve Injuries.
G. Limb Length Discrepancy.

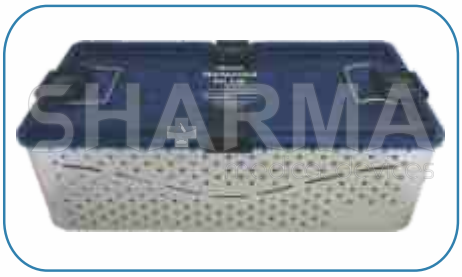
HIP SYSTEM
(Uncemented) is indicated for cementless use only.

INSTRUMENTS SET

ITEM	DESCRIPTION	REFERENCE CODE	QUANTITY
1	OSTEOTOMY RULER	S23.INS.0831	1
2	OSTEOTOMY RULER SMALL	S23.INS.0832	1
3	DISTRACTOR BROAD	S23.INS.0833	3
4	DISTRACTOR NARROW	S23.INS.0834	1
5	DISTRACTOR SMALL	S23.INS.0835	2
6	FEMORAL HEAD EXTRACTOR WITH FIBER HANDLE	S23.INS.0836	1
7	LINER EXTRACTOR	S23.INS.0837	1
8	HANDLE WITH QUICK COUPLING	S23.INS.0838	1
9	AWL	S23.INS.0839	1
10	BOX SHAPE OSTEOTOME STRAIGHT	S23.INS.0840	1
11	BOX SHAPE OSTEOTOME CURVE	S23.INS.0841	1
12	ROUND TYPE OSTEOTOME	S23.INS.0842	1
13	REAMER WITH QUICK COUPLING	S23.INS.0843	1
14	PROXIMAL CANAL DRILL WITH QUICK COUPLING STANDARD	S23.INS.0844	1
15	DISTAL CANAL DRILL WITH QUICK COUPLING 8/9	S23.INS.0845	1
16	DISTAL CANAL DRILL WITH QUICK COUPLING 10/11	S23.INS.0846	1
17	DISTAL CANAL DRILL WITH QUICK COUPLING 12/13	S23.INS.0847	1
18	DISTAL CANAL DRILL WITH QUICK COUPLING 14	S23.INS.0848	1
19	TRIAL STEM HANDLE	S23.INS.0849	1
20	ASSIST HANDLE	S23.INS.0850	1
21	SLOTTED HAMMER	S23.INS.0851	1
22	TRIAL STEM EXTRACTOR WITH S.S. HANDLE	S23.INS.0852	1
23	EXTRACTOR ROD WITH HAMMER	S23.INS.0853	1
24	HAMMER	S23.INS.0854	1
25	TRIAL STEM 7	S23.INS.0855	1
26	TRIAL STEM 8	S23.INS.0856	1
27	TRIAL STEM 9	S23.INS.0857	1
28	TRIAL STEM 10	S23.INS.0858	1
29	TRIAL STEM 11	S23.INS.0859	1
30	TRIAL STEM 12	S23.INS.0860	1
31	TRIAL STEM 13	S23.INS.0861	1
32	TRIAL STEM 14	S23.INS.0862	1
33	CANAL FINDER	S23.INS.0863	1
34	SERRATED CUP CURETTER	S23.INS.0864	1
35	CALCAR REAMER SMALL	S23.INS.0865	1
36	CALCAR REAMER LARGE	S23.INS.0866	1
37	OFFSET TRIAL	S23.INS.0867	2
38	TRIAL HEAD 28 & 26 +1.5	S23.INS.0868	2
39	TRIAL HEAD 28 & 26 +5	S23.INS.0869	2
40	TRIAL HEAD 28 & 26 +8.5	S23.INS.0870	2
41	TRIAL HEAD 28 & 26 +12	S23.INS.0871	2
42	BONE HOOK	S23.INS.0872	1
43	STRAIGHT PRESS WITH S.S. HANDLE	S23.INS.0873	1
44	CURVE PRESS WITH FIBER HANDLE	S23.INS.0874	1
45	STEM HOLDER	S23.INS.0875	1
46	STEM INSERTER	S23.INS.0876	1
47	HEAD IMPACTOR WITH S.S. HANDLE	S23.INS.0877	1
48	HIP SYSTEM UNCEMENTED INSTURMENT BOX FOR STEM	S23.INS.UNHS	1
49	RESTRICTOR HANDLE	S23.INS.2753	1







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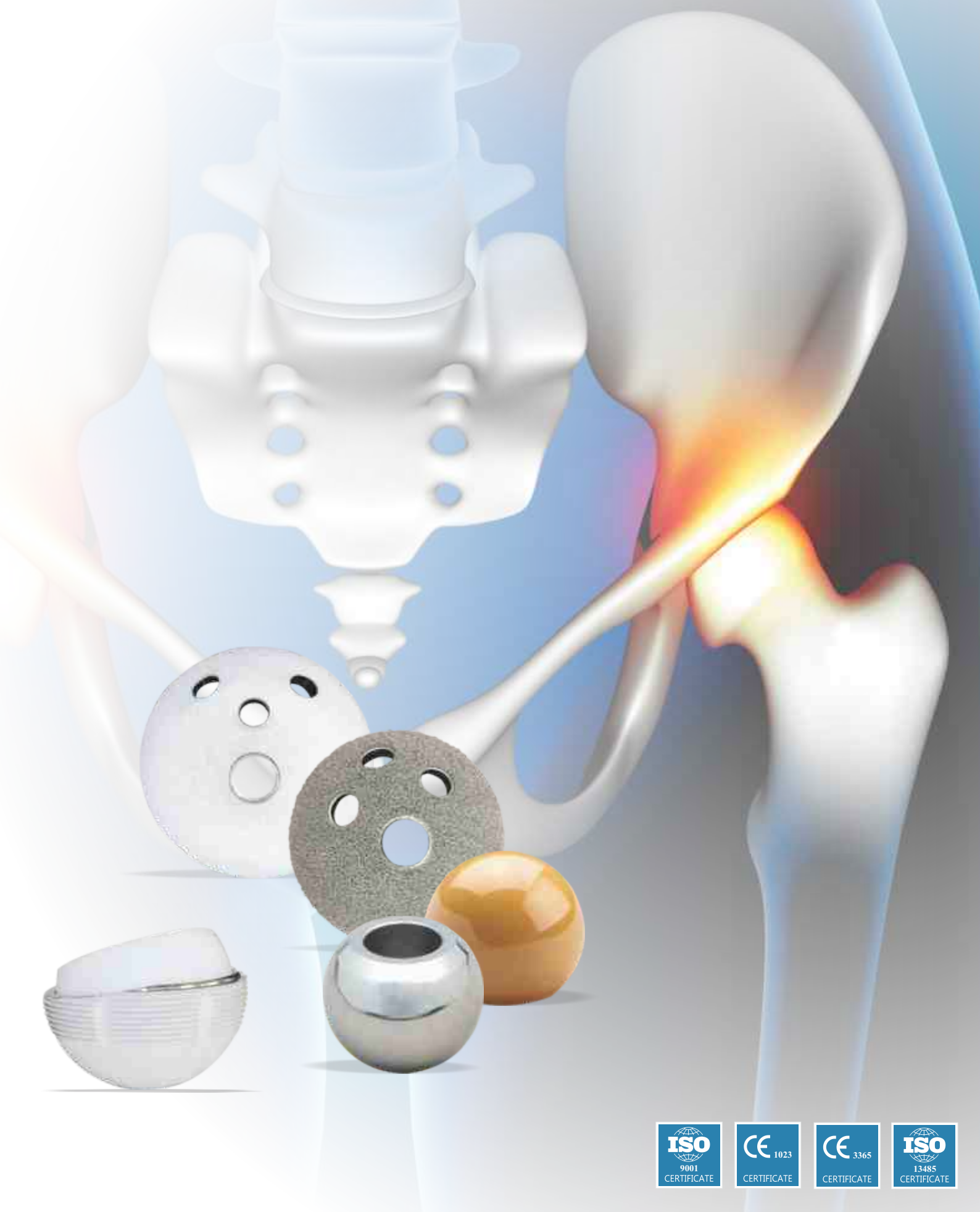
ACETABULAR CUP



ISO 9001 CERTIFICATE
CE 1023 CERTIFICATE
CE 3365 CERTIFICATE
ISO 13485 CERTIFICATE

Material : TIT
Head Coverage : 180°
Coating : Porous

ACETABULAR CUP

DIAMETER	CAT. NO.
44 mm	S23.THR2138-T
46 mm	S23.THR2139-T
48 mm	S23.THR2140-T
50 mm	S23.THR2141-T
52 mm	S23.THR2142-T
54 mm	S23.THR2143-T
56 mm	S23.THR2144-T
58 mm	S23.THR2145-T
60 mm	S23.THR2146-T
62 mm	S23.THR2147-T
64 mm	S23.THR2148-T
66 mm	S23.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
	S23.THR4492-H	S23.THR2179-U	X	X	X	X
	S23.THR4493-H	S23.THR2180-U	X	X	X	X
	X	X	S23.THR4503-U	S23.THR2210-U	X	X
	X	X	S23.THR4504-U	S23.THR2211-U	X	X
	X	X	X	X	S23.THR4512-H	S23.THR2248-U
	X	X	X	X	S23.THR4513-H	S23.THR2249-U
	X	X	X	X	S23.THR4514-H	S23.THR2250-U
	X	X	X	X	S23.THR4515-H	S23.THR2251-U
	X	X	X	X	S23.THR4516-H	S23.THR2252-U
	X	X	X	X	S23.THR4517-H	S23.THR2253-U
	X	X	X	X	S23.THR4518-H	S23.THR2254-U

SCREW

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

SIZE	CAT. NO. S.S.	CAT. NO. TIT.
16 mm	S23.THR0448	S23.THR0448-T
18 mm	S23.THR0449	S23.THR0449-T
20 mm	S23.THR0450	S23.THR0450-T
22 mm	S23.THR0451	S23.THR0451-T
24 mm	S23.THR0452	S23.THR0452-T
26 mm	S23.THR0453	S23.THR0453-T
28 mm	S23.THR0454	S23.THR0454-T
30 mm	S23.THR0455	S23.THR0455-T
32 mm	S23.THR0456	S23.THR0456-T
34 mm	S23.THR0457	S23.THR0457-T
36 mm	S23.THR0458	S23.THR0458-T

INTERNAL HEAD

Material : S.S. / Co. Cr.

DIAMETER	22.0 MM		26.0 MM		28.0 MM	
LENGTH	CAT. NO. S.S.	CAT. NO. Co.Cr.	CAT. NO. S.S.	CAT. NO. Co.Cr.	CAT. NO. S.S.	CAT. NO. Co.Cr.
+1.0MM	X	X	X	X	X	X
+1.5MM	S23.THR0031	S23.THR0031-L	S23.THR0061	S23.THR0061-L	S23.THR0076	S23.THR0076-L
+5.0MM	S23.THR0032	S23.THR0032-L	S23.THR0062	S23.THR0062-L	S23.THR0077	S23.THR0077-L
+8.5MM	S23.THR0033	S23.THR0033-L	S23.THR0063	S23.THR0063-L	S23.THR0078	S23.THR0078-L
+9.0MM	X	X	X	X	X	X
+12.0MM	S23.THR0034	S23.THR0034-L	S23.THR0064	S23.THR0064-L	S23.THR0079	S23.THR0079-L

DIAMETER	32.0 MM		36.0 MM	
LENGTH	CAT. NO. S.S.	CAT. NO. Co.Cr.	CAT. NO. S.S.	CAT. NO. Co.Cr.
+1.0 mm	S23.THR0091	S23.THR0091-L	X	x
+1.5 mm	X	X	S23.THR0106	S23.THR0106-L
+5.0 mm	S23.THR0092	S23.THR0092-L	S23.THR0107	S23.THR0107-L
+8.5 mm	X	X	S23.THR0108	S23.THR0108-L
+9.0 mm	S23.THR0093	S23.THR0093-L	X	X
+12.0 mm	X	X	S23.THR0109	S23.THR0109-L

INTERNAL HEAD

FEMORAL HEAD : ISO 6474

The femoral 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. Femoral heads are tested with our cone materials in accordance with ISO 7206-10 and are compatible with our PE components.

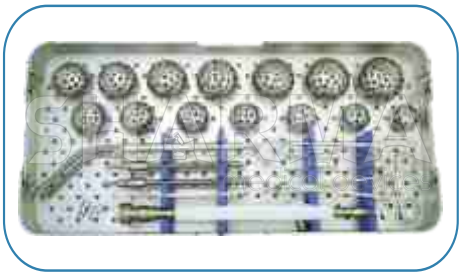
Material : Ceramic (ISO 6474)
Cone : 12/14

LENGTH	SIZE	CAT NO
28.0mm	SMALL	S23.THR0076-C
28.0mm	MEDIUM	S23.THR0077-C
28.0mm	LARGE	S23.THR0078-C
32.0mm	SMALL	S23.THR0091-C
32.0mm	MEDIUM	S23.THR0092-C
32.0mm	LARGE	S23.THR0093-C
36.0mm	SMALL	S23.THR0106-C
36.0mm	MEDIUM	S23.THR0107-C
36.0mm	LARGE	S23.THR0108-C

Note : Cat No. Made in Germany

INSTRUMENTS SET

ITEM	DESCRIPTION	REFERENCE CODE	QUANTITY
1	SCALE	S23.INS.0771	1
2	ACETABULAR REAMER 36.0MM	S23.INS.7880	1
3	ACETABULAR REAMER 38.0MM	S23.INS.0772	1
4	ACETABULAR REAMER 40.0MM	S23.INS.0773	1
5	ACETABULAR REAMER 42.0MM	S23.INS.0774	1
6	ACETABULAR REAMER 44.0MM	S23.INS.0775	1
7	ACETABULAR REAMER 46.0MM	S23.INS.0776	1
8	ACETABULAR REAMER 48.0MM	S23.INS.0777	1
9	ACETABULAR REAMER 50.0MM	S23.INS.0778	1
10	ACETABULAR REAMER 52.0MM	S23.INS.0779	1
11	ACETABULAR REAMER 54.0MM	S23.INS.0780	1
12	ACETABULAR REAMER 56.0MM	S23.INS.0781	1
13	ACETABULAR REAMER 58.0MM	S23.INS.0782	1
14	ACETABULAR REAMER 60.0MM	S23.INS.0783	1
15	ACETABULAR REAMER 62.0MM	S23.INS.0784	1
16	ACETABULAR REAMER 64.0MM	S23.INS.0785	1
17	ACETABULAR REAMER 66.0MM	S23.INS.7885	-
18	ACETABULAR REAMER 68.0MM	S23.INS.7890	-
19	ACETABULAR REAMER 70.0MM	S23.INS.7895	-
20	ACETABULAR REAMER 72.0MM	S23.INS.7900	-
21	ACETABULAR REAMER 74.0MM	S23.INS.7905	-
22	ACETABULAR REAMER 76.0MM	S23.INS.7910	-
23	METAL TRIAL CUP 40.0MM	S23.INS.7915	1
24	METAL TRIAL CUP 42.0MM	S23.INS.7920	1
25	METAL TRIAL CUP 44.0MM	S23.INS.0786	1
26	METAL TRIAL CUP 46.0MM	S23.INS.0787	1
27	METAL TRIAL CUP 48.0MM	S23.INS.0788	1
28	METAL TRIAL CUP 50.0MM	S23.INS.0789	1
29	METAL TRIAL CUP 52.0MM	S23.INS.0790	1
30	METAL TRIAL CUP 54.0MM	S23.INS.0791	1
31	METAL TRIAL CUP 56.0MM	S23.INS.0792	1
32	METAL TRIAL CUP 58.0MM	S23.INS.0793	1
33	METAL TRIAL CUP 60.0MM	S23.INS.0794	1
34	METAL TRIAL CUP 62.0MM	S23.INS.0795	1
35	METAL TRIAL CUP 64.0MM	S23.INS.0796	1
36	METAL TRIAL CUP 66.0MM	S23.INS.7925	-
37	METAL TRIAL CUP 68.0MM	S23.INS.7930	-
38	METAL TRIAL CUP 70.0MM	S23.INS.7935	-
39	METAL TRIAL CUP 72.0MM	S23.INS.7940	-
40	METAL TRIAL CUP 74.0MM	S23.INS.7945	-
41	METAL TRIAL CUP 76.0MM	S23.INS.7950	-
42	LINER TRIAL CUP 40.0MM/28.0MM	S23.INS.7955	1
43	LINER TRIAL CUP 42.0MM/28.0MM	S23.INS.7960	1
44	LINER TRIAL CUP 44.0MM/28.0MM	S23.INS.0797	1
45	LINER TRIAL CUP 46.0MM/28.0MM	S23.INS.0798	1
46	LINER TRIAL CUP 48.0MM/28.0MM	S23.INS.0799	1
47	LINER TRIAL CUP 50.0MM/28.0MM	S23.INS.0800	1
48	LINER TRIAL CUP 52.0MM/28.0MM	S23.INS.0801	1
49	LINER TRIAL CUP 54.0MM/28.0MM	S23.INS.0802	1
50	LINER TRIAL CUP 56.0MM/28.0MM	S23.INS.0803	1
51	LINER TRIAL CUP 58.0MM/28.0MM	S23.INS.0804	1
52	LINER TRIAL CUP 60.0MM/28.0MM	S23.INS.0805	1
53	LINER TRIAL CUP 62.0MM/28.0MM	S23.INS.0806	1
54	LINER TRIAL CUP 64.0MM/28.0MM	S23.INS.0807	1
55	LINER TRIAL CUP 66.0MM/28.0MM	S23.INS.7965	1
56	LINER TRIAL CUP 68.0MM/28.0MM	S23.INS.7970	1
57	LINER TRIAL CUP 70.0MM/28.0MM	S23.INS.7975	1
58	LINER TRIAL CUP 72.0MM/28.0MM	S23.INS.7980	1
59	LINER TRIAL CUP 74.0MM/28.0MM	S23.INS.7985	1
60	LINER TRIAL CUP 76.0MM/28.0MM	S23.INS.7990	1
61	LINER TRIAL CUP 52.0MM/32.0MM	S23.INS.8834	1
62	LINER TRIAL CUP 54.0MM/32.0MM	S23.INS.8835	1
63	LINER TRIAL CUP 56.0MM/32.0MM	S23.INS.8836	1
64	LINER TRIAL CUP 58.0MM/32.0MM	S23.INS.8837	1
65	LINER TRIAL CUP 60.0MM/32.0MM	S23.INS.8838	1
66	HANDLE FOR REAMER	S23.INS.0808	1
67	BONE LEAVER 95°	S23.INS.0809	1
68	ANGLE MEASURE	S23.INS.0810	1
69	FIXED ANGLE MEASURE	S23.INS.0811	1
70	HANDLE FOR METAL TRIAL CUP / LINER TRIAL CUP	S23.INS.0812	1
71	DRILL SLEEVE WITH HANDLE	S23.INS.0813	2
72	FLEXIBLE DRILL SHAFT	S23.INS.0814	2
73	DRLL BIT HEAD 15.0CM	S23.INS.0815	1
74	DRLL BIT HEAD 40.0CM	S23.INS.0816	1
75	FLEXIBLE DEPTH GAUGE	S23.INS.0817	1
76	SCREW HOLDER FORCEP	S23.INS.0818	1
77	SCREW DRIVER SW3.5 (FIBER HANDLE)	S23.INS.0819	1
78	FLEXIBLE SCREW DRIVER SW3.5 (FIBER HANDLE)	S23.INS.0820	1
79	LINER IMPACTOR 28.0MM	S23.INS.0822	-
80	LINER IMPACTOR 32.0MM	S23.INS.8839	1
81	LINER IMPACTOR 36.0MM	S23.INS.8840	-
82	LINER CUP INSTERT AND EXTRACTOR	S23.INS.0823	1
84	HANDLE FOR LINER IMPACTOR	S23.INS.0824	-
85	HIP SYSTEM UNCEMENTED INSTURMENT BOX FOR CUP	S23.INS.UNHC	



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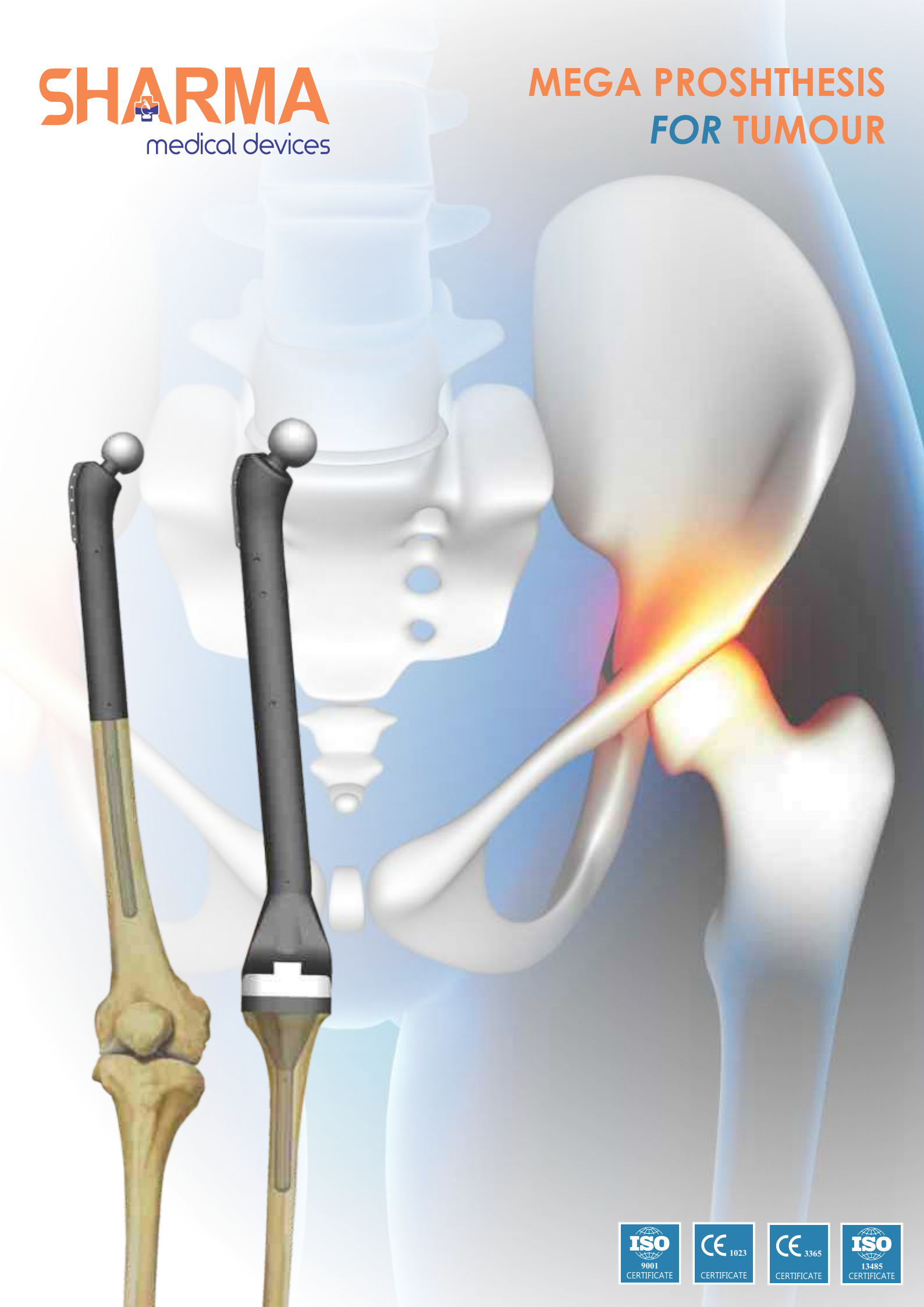
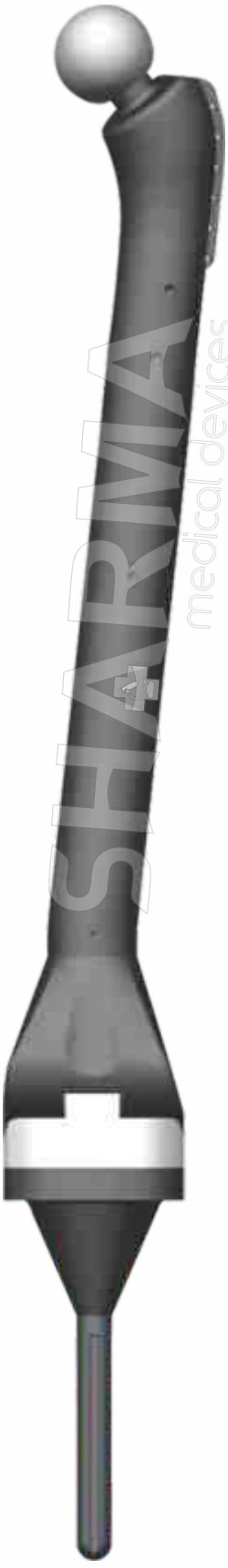
MEGA PROSHTHESIS *FOR* TUMOUR



ISO 9001 CERTIFICATE
CE 1023 CERTIFICATE
CE 3365 CERTIFICATE
ISO 13485 CERTIFICATE



- Internal Head 28.0 mm
- Femoral Proximal Body Replacement
- Segmental Component 25.0 mm
- Segmental Component 50.0 mm
- Total Femoral Segmental Component 100.0 mm
- Distal Femoral Component
- Hinge Bush
- Hinged Tibia Insert
- Hinge Pin & Bolt
- Hinged Tibia Tray

Internal Head 28.0 mm

Femoral Proximal Body Replacement

Total Femoral Segmental Component 100.0 mm

Curved Stem Extention

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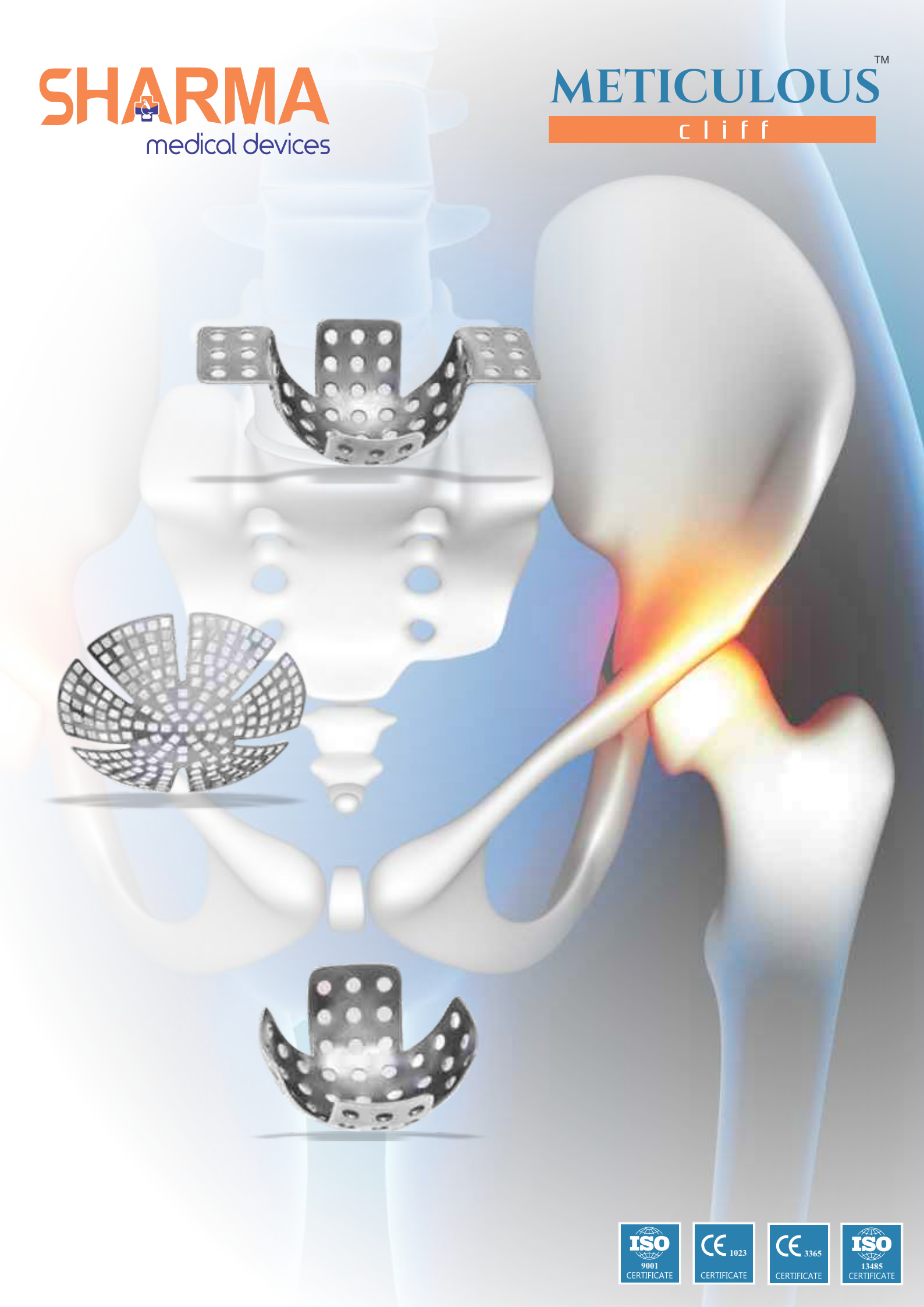
METICULOUS™
cliff



ISO 9001 CERTIFICATE
CE 1023 CERTIFICATE
CE 3365 CERTIFICATE
ISO 13485 CERTIFICATE

METICULOUS™ without CLIFF

STD.		
SIZE	CAT. NO. S.S.	CAT. NO. TIT.
48mm	S23.THR0613	S23.THR0613-T
54mm	S23.THR0619	S23.THR0619-T

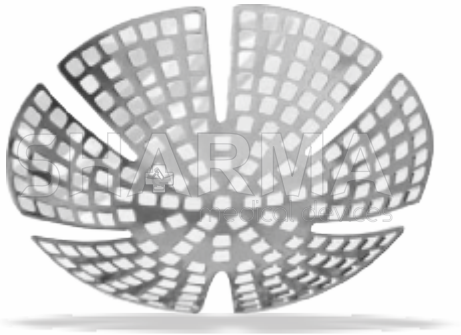
METICULOUS™ with CLIFF

STD.		
SIZE	CAT. NO. S.S.	CAT. NO. TIT.
48mm	S23.THR2435	S23.THR2435-T
54mm	S23.THR2441	S23.THR2441-T

METICULOUS™ CUPS for ACETABULAR PROTRUSION

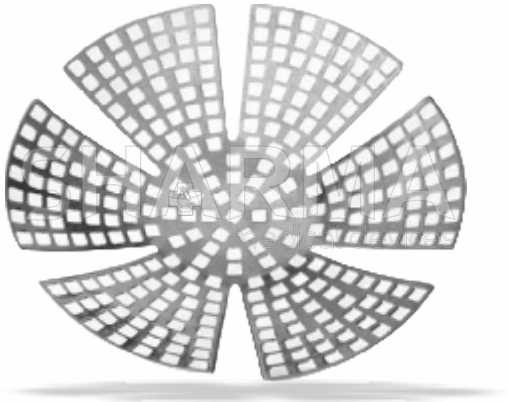
STD.		
SIZE	CAT. NO. S.S.	CAT. NO. TIT.
65.0mm	S23.THR3974	S23.THR3974-T
70.0mm	S23.THR3975	S23.THR3975-T
75.0mm	S23.THR3976	S23.THR3976-T

METICULOUS™ MESH SMALL



SMALL		
SIZE	CAT. NO. S.S.	CAT. NO. TIT.
70mm	S23.THR2532	S23.THR2532-T

METICULOUS™ MESH LARGE



LARGE		
SIZE	CAT. NO. S.S.	CAT. NO. TIT.
87mm	S23.THR2533	S23.THR2533-T

Certificates


Management System Certificate

Sharma Pharmaceutical Pvt. Ltd.

ISO 13485:2016


Sharma Pharmaceutical Pvt. Ltd.

ISO 9001:2015


FORM 26

(See Rules 77 and 83)

Certificate of Renewal of Permit to manufacture for sale of Drugs Other than those specified in Schedule X


Food & Drugs Control Administration

G.M.P. CERTIFICATE

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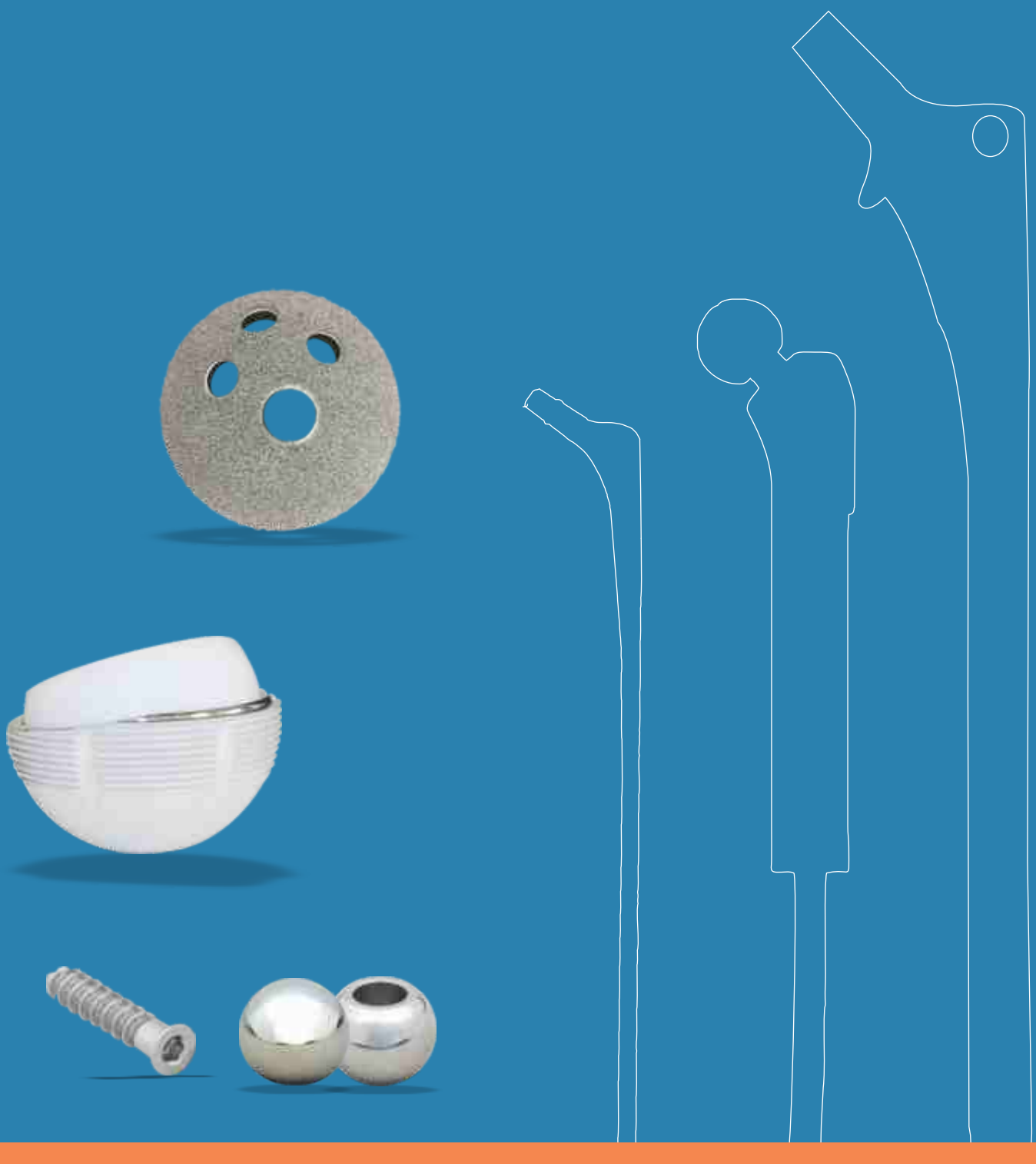

SHARMA medical devices

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