SURGIWEAR®
AN ISO 13485 : 2016 COMPANY

G.HIP IMPLANT™

RESTORING MOBILITY
WITH CONFIDENCE

LOLOSS™ (ACETABULAR LINER)
BonAffinity™
(ACETABULAR CUP & FEMORAL STEM)
ZiAlu™ **& TiTiN**™ (FEMORAL HEAD)

"An idea intensive innovation centric company"

“BE ALL FREE FROM DISEASE AND SUFFERINGS”

The USP of SURGIWEAR has been to innovate Medical Devices of first quality for common people. Today SURGIWEAR is well known by plenty of doctors all around the Globe, and we are proud of our company to make relationship with the thousands of doctors around the World.

QUALITY COMMITMENT

As an Industry leader, We have taken the initiative to implement quality control system that are strictly enforced in both our manufacturing and distribution facilities. SURGIWEAR is ISO 13485:2016 certified.
All our Hydrocephalus Shunt products are in full compliance with WFNS (World Federation Neurosurgical Society).

VISION

SURGIWEAR envision itself as a leading company in creating innovative quality surgical products for the global population without compromising with its business values & principles. The aim of SURGIWEAR is to assist the medical world with the best of its ability and calibre. And have an abiding desire to excel in services for providing medical equipments and supplies worldwide.

MISSION

Exploring new horizons in the world of fine medical devices by integration and constant enhancement of our existing potential in product design, quality, cost & supply for the extreme delight of client.

G. HIP IMPLANT SYSTEM

ZiAlu™
Ceramic
Femoral
Head

BonAffinity™
Femoral Titanium
Alloy Stem

LOLOSS™
XLPE Acetabular
Liner

BonAffinity™
Acetabular Titanium
Alloy Cup

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RESTORING MOBILITY WITH CONFIDENCE

Hip implants play a vital role in restoring mobility and relieving pain in patients suffering from degenerative joint conditions like osteoarthritis, avascular necrosis, rheumatoid arthritis, or trauma- related injuries. By replacing the damaged ball-and-socket structure of the hip with biocompatible, precision-engineered components, these systems help patients regain function, independence, and a better quality of life.

At **G Surgiwear Ltd., we offer a comprehensive, fully compatible hip replacement system that includes femoral heads, femoral stems, acetabular cups and liners**—available in a wide range of sizes and configurations to match individual anatomy and surgical preferences. Our implants are manufactured in an ISO 13485-certified facility, licensed as Class C medical devices by **Central Drugs Standard Control Organisation (CDSCO)** ensuring the highest global standards of quality and patient safety.

Our Titanium alloy femoral stems are made for superior osteo integration and primary fixation. The ceramic femoral heads and liners offer exceptional wear resistance, while UHMWPE liners balance performance with affordability. Every implant is carefully engineered to meet the demands of modern orthopaedic surgery, with modularity, anatomical geometry, and clinical usability built into every product.

Unlike generic alternatives, **G Surgiwear's Hip Implant systems** are developed with direct input from orthopaedic surgeons, addressing the anatomical and economic needs of Indian patients. This allows us to deliver high-performance, precision-made solutions at competitive prices—making us the preferred partner for hospitals, distributors, and surgeons nationwide.

Whether you're performing a routine primary hip replacement or a complex revision, trust G. Surgiwear to deliver the confidence, compatibility, and clinical outcomes you demand.

TiTiN® HEADS & LINERS

NEW ERA

Titanium Alloy Heads & Liners with TiN (Titanium Nitride) coating has multiple advantages over the conventional CoCr metal heads and liners, fretting and Trunnionosis are avoided by using “Titanium alloy head with Titanium alloy stem" it has similar Modulus of Elasticity and has less Galvanic potential due to same alloy (Corrosion Resistance).
The TiN Ceramic coating gives implant & patient more life due to very high Surface Hardness (Avg. 1600 HV), Smoothness (Ra <10 nm), negligible metal ion discharge, more wettability, high biocompatibility, these all factors plays a key role in modern orthopedic implant longevity, particularly in high-risk modular junctions and articulating surfaces.

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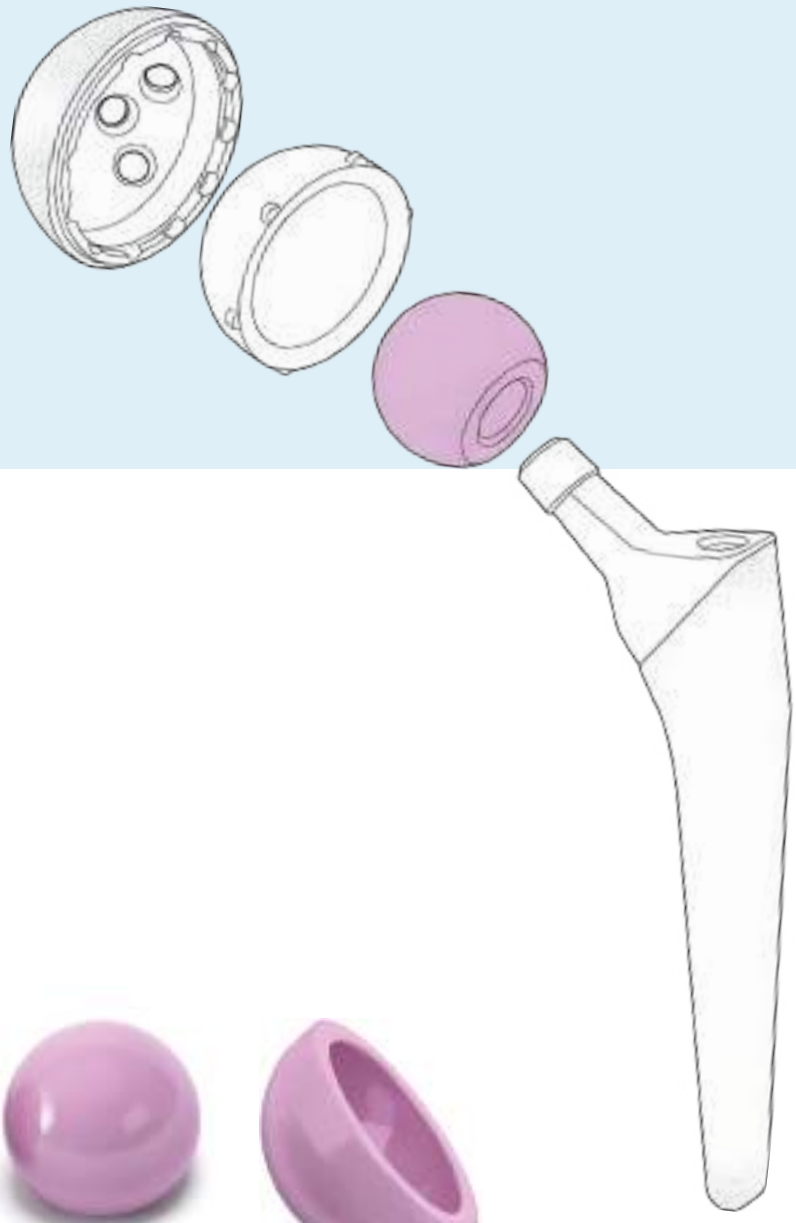
ZiAlu™ HEADS & LINERS

The fourth generation ZiAlu (Zirconia& Alumina matrix composite) heads & Liners have ultra-high smoothness, combined with very high hardness, minimizing wear on the polyethylene or ceramic liners they articulate against. That's why wear rates for ceramic-on-ceramic bearings are among the lowest in joint replacement technology. The ZiAlu heads and liners have been manufactured with next level of technology keeping the hardness 5-6 times compared to metals and ensuring Ultra High Smoothness (< 9 nm).



TECHNOLOGY UNLEASHED

BonAffinity™ ACETABULAR CUP SYSTEM

Highly porous, interconnected lattices (usually Ti-6Al-4V made by EBM) are engineered to mimic cancellous Trabecular bone, promoting rapid osseointegration and lowering stiffness to reduce stress shielding. Pore sizes of 300–600 µm with approximately 75% porosity represent an optimal balance, providing a sweet spot for vascularized bone ingrowth while maintaining mechanical stability.

INTERCONNECTIVITY & SURFACE TOPOLOGY: Continuous pathways and rough, grit-like surfaces enhance cell attachment and bone bridging.
RETRIEVAL HISTOLOGY: In revised patients, 3D-printed cups showed significantly greater bone ingrowth than conventional porous coatings (mean bone attachment ~63% vs 37%), with thicker/denser ingrowth into the lattice.
BONAFFINITY CUP system allows the surgeon to choose on table for various articulations, Metal on Polyethylene, Ceramic on Polyethylene, Ceramic on Ceramic and also Dual mobility for highly active patient.

TRUE VERSATILITY

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LOLOSS™ ACETABULAR LINERS

DETERMINED TO LAST

The LOLOSS LINERS are made with cutting edge technology and using XLPE (Highly crossed linked polyethylene) material. It's a highly wear-resistant version of ultra-high-molecular-weight polyethylene (UHMWPE).

LOLOSS liners are designed to have 10 times lesser wear rates compared to conventional UHMWPE liners, which reduces the chances of Osteolysis and increasing the life of implant significantly.

LOLOSS liners are designed with anti-rotational tabs and locking ridge which gives it a proper locking with negligible microrotation. The LOLOSS liners are available in 15° lipped for higher stability and Neutral for maximum range of motion.

BonAffinity™ FEMORAL STEM SYSTEM

TRUE VERSATILITY

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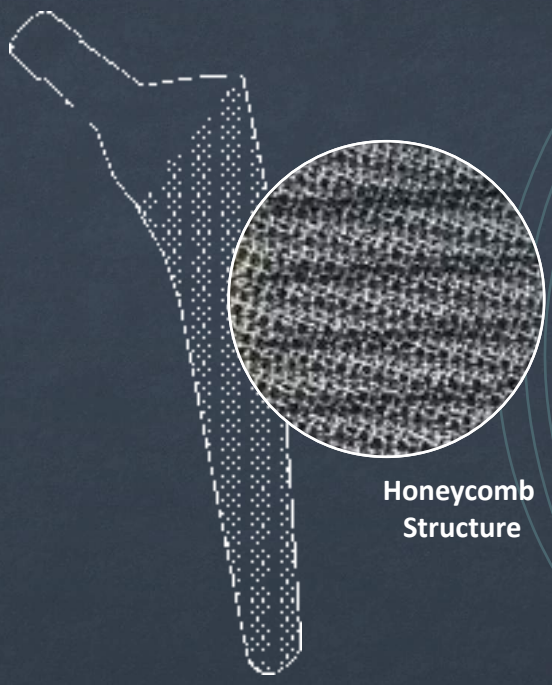
Highly porous, inter-connected lattices are engineered to mimic cancellous Trabecular bone, promoting rapid osseointegration and lowering stiffness to reduce stress shielding. Pore sizes of 300–600 µm with approximately 75% porosity represent an optimal balance, providing a sweet spot for vascularized bone ingrowth while maintaining mechanical stability.
Interconnectivity & surface topology: Continuous pathways and rough, grit-like surfaces enhance cell attachment and bone bridging.
Retrieval histology: In revised patients, 3D-printed cups showed significantly greater bone ingrowth than conventional porous coatings (mean bone attachment ~63% vs 37%), with thicker/denser ingrowth into the lattice.



Honeycomb Structure

BONAFFINITY STEMS are designed based on long clinical history and wide usage worldwide, it allows you to choose from different philosophy of stem design full ingrowth and proximal ingrowth stems, it also allows surgeon to address the different need of patients like standard and high offset stems.

BonAffinity™ A&T ACETABULAR CUP & FEMORAL STEM

SETTING NEW STANDARDS

The BONAFFINITY CUP & STEM SYSTEM comes with a next level of technology marvel, A&T CUP & STEM. The Ag^{+} coating technology damages bacterial membranes, proteins, DNA and suppress biofilm formation—including staphylococci and some Gram-negatives. Silver-coated implants show lower periprosthetic joint infection (PJI) rates vs. uncoated controls in multiple cohorts and meta-analyses; toxicity issues are very rare. It's a surface strategy that complements (not replaces) systemic antibiotics.

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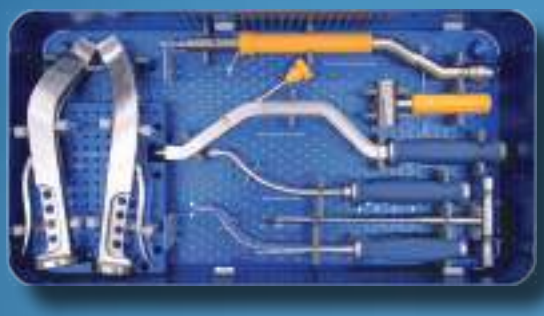
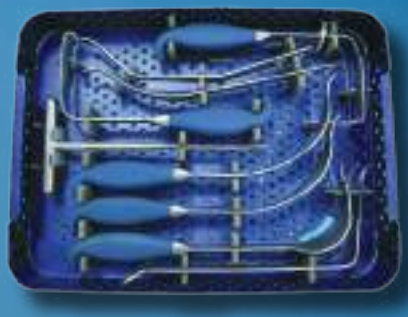
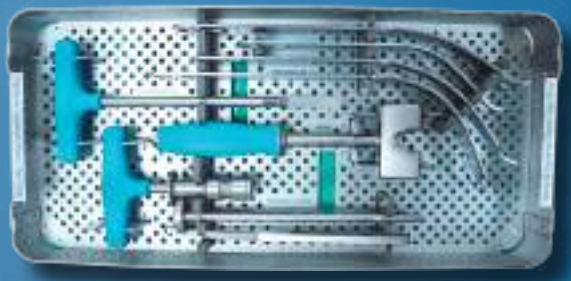
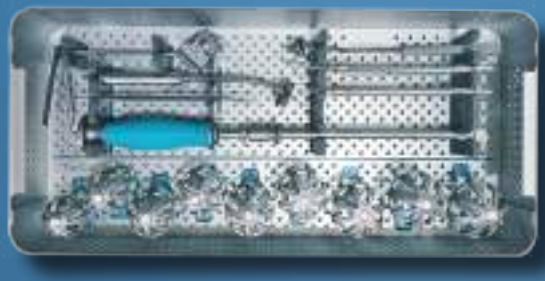
HP INSTRUMENTS AND DAA

The G-HIP Total Hip Replacement system at SURGIWEAR, not only provides you with vivid range of products that addresses all patient need but it also ensures surgeon to choose simple and HIGH PRECISION instruments for all type of approaches(Direct Anterior Approach, Posterio Lateral and Anterio Lateral approaches).









G HIP IMPLANT DESCRIPTION AND SIZING CHART

BonAffinity Standard Cementless Femoral Stem 12/14 Taper			
Sr No	Item Code	Length (MM)	Angle
1	FS-S-0	141.5	135°
2	FS-S-1	156.5	135°
3	FS-S-2	167	135°
4	FS-S-3	172	135°
5	FS-S-4	177	135°
6	FS-S-5	180.5	135°
7	FS-S-6	186.5	135°
8	FS-S-7	192	135°
9	FS-S-8	197	135°
10	FS-S-9	198	135°
11	FS-S-10	199	135°
12	FS-S-11	200	135°

BonAffinity Proximal Cementless Femoral Stem 12/14 Taper			
Sr No	Item Code	Length (MM)	Angle
1	FS-P-0	141.5	135°
2	FS-P-1	156.5	135°
3	FS-P-2	167	135°
4	FS-P-3	172	135°
5	FS-P-4	177	135°
6	FS-P-5	180.5	135°
7	FS-P-6	186.5	135°
8	FS-P-7	192	135°
9	FS-P-8	197	135°
10	FS-P-9	198	135°
11	FS-P-10	199	135°
12	FS-P-11	200	135°

BonAffinity High Offset Cementless Femoral Stem 12/14 Taper			
Sr No	Item Code	Length (MM)	Angle
1	FS-O-0	141.5	135°
2	FS-O-1	156.5	135°
3	FS-O-2	167	135°
4	FS-O-3	172	135°
5	FS-O-4	177	135°
6	FS-O-5	180.5	135°
7	FS-O-6	186.5	135°
8	FS-O-7	192	135°
9	FS-O-8	197	135°
10	FS-O-9	198	135°
11	FS-O-10	199	135°
12	FS-O-11	200	135°

BonAffinity Proximal High Offset Cementless Femoral Stem 12/14 Taper			
Sr No	Item Code	Length (MM)	Angle
1	FS-PO-0	141.5	135°
2	FS-PO-1	156.5	135°
3	FS-PO-2	167	135°
4	FS-PO-3	172	135°
5	FS-PO-4	177	135°
6	FS-PO-5	180.5	135°
7	FS-PO-6	186.5	135°
8	FS-PO-7	192	135°
9	FS-PO-8	197	135°
10	FS-PO-9	198	135°
11	FS-PO-10	199	135°
12	FS-PO-11	200	135°

BonAffinity A&T Cementless Femoral Stem 12/14 Taper			
Sr No	Item Code	Length (MM)	Angle
1	FS-ATS-0	141.5	135°
2	FS-ATS-1	156.5	135°
3	FS-ATS-2	167	135°
4	FS-ATS-3	172	135°
5	FS-ATS-4	177	135°
6	FS-ATS-5	180.5	135°
7	FS-ATS-6	186.5	135°
8	FS-ATS-7	192	135°
9	FS-ATS-8	197	135°
10	FS-ATS-9	198	135°
11	FS-ATS-10	199	135°
12	FS-ATS-11	200	135°

BonAffinity A&T Proximal Cementless Femoral Stem 12/14 Taper			
Sr No	Item Code	Length (MM)	Angle
1	FS-ATP-0	141.5	135°
2	FS-ATP-1	156.5	135°
3	FS-ATP-2	167	135°
4	FS-ATP-3	172	135°
5	FS-ATP-4	177	135°
6	FS-ATP-5	180.5	135°
7	FS-ATP-6	186.5	135°
8	FS-ATP-7	192	135°
9	FS-ATP-8	197	135°
10	FS-ATP-9	198	135°
11	FS-ATP-10	199	135°
12	FS-ATP-11	200	135°

BonAffinity A&T High Offset Cementless Femoral Stem 12/14 Taper			
Sr No	Item Code	Length (MM)	Angle
1	FS-ATO-0	141.5	135°
2	FS-ATO-1	156.5	135°
3	FS-ATO-2	167	135°
4	FS-ATO-3	172	135°
5	FS-ATO-4	177	135°
6	FS-ATO-5	180.5	135°
7	FS-ATO-6	186.5	135°
8	FS-ATO-7	192	135°
9	FS-ATO-8	197	135°
10	FS-ATO-9	198	135°
11	FS-ATO-10	199	135°
12	FS-ATO-11	200	135°

BonAffinity A&T Proximal High Offset Cementless Femoral Stem 12/14 Taper			
Sr No	Item Code	Length (MM)	Angle
1	FS-ATPO-0	141.5	135°
2	FS-ATPO-1	156.5	135°
3	FS-ATPO-2	167	135°
4	FS-ATPO-3	172	135°
5	FS-ATPO-4	177	135°
6	FS-ATPO-5	180.5	135°
7	FS-ATPO-6	186.5	135°
8	FS-ATPO-7	192	135°
9	FS-ATPO-8	197	135°
10	FS-ATPO-9	198	135°
11	FS-ATPO-10	199	135°
12	FS-ATPO-11	200	135°

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BonAffinity Cementless Acetabular Cup					
Sr No	Trihole Code	Multihole Code	A&T Trihole Code	A&T Multihole Code	Size OD (MM)
1	ACTRIR44	ACMTHR44	ATACTRIR44	ATACMTHR44	44
2	ACTRIR46	ACMTHR46	ATACTRIR46	ATACMTHR46	46
3	ACTRIR48	ACMTHR48	ATACTRIR48	ATACMTHR48	48
4	ACTRIR50	ACMTHR50	ATACTRIR50	ATACMTHR50	50
5	ACTRIR52	ACMTHR52	ATACTRIR52	ATACMTHR52	52
6	ACTRIR54	ACMTHR54	ATACTRIR54	ATACMTHR54	54
7	ACTRIR56	ACMTHR56	ATACTRIR56	ATACMTHR56	56
8	ACTRIR58	ACMTHR58	ATACTRIR58	ATACMTHR58	58
9	ACTRIR60	ACMTHR60	ATACTRIR60	ATACMTHR60	60
10	ACTRIR62	ACMTHR62	ATACTRIR62	ATACMTHR62	62
11	ACTRIR64	ACMTHR64	ATACTRIR64	ATACMTHR64	64
12	ACTRIR66	ACMTHR66	ATACTRIR66	ATACMTHR66	66
13	ACTRIR68	ACMTHR68	ATACTRIR68	ATACMTHR68	68
14	ACTRIR70	ACMTHR70	ATACTRIR70	ATACMTHR70	70
15	ACTRIR72	ACMTHR72	ATACTRIR72	ATACMTHR72	72
16	ACTRIR74	ACMTHR74	ATACTRIR74	ATACMTHR74	74

ZiAlu & TiTiN Acetabular Liner			
Sr No	ZiAlu Ceramic Liner	TiTiN Metal Liner	Size
1	ACLC2844	NA	44
2	ACLC2846	NA	46
3	ACLC3248	ACLT3248	48
4	ACLC3250	ACLT3250	50
5	ACLC3652	ACLT3652	52
6	ACLC3654	ACLT3654	54
7	ACLC3656	ACLT3656	56
8	ACLC3658	ACLT3658	58
9	ACLC3660	ACLT3660	60
10	ACLC3662	ACLT3662	62
11	ACLC3664	ACLT3664	64
12	ACLC3666	ACLT3666	66
13	ACLC3668	ACLT3668	68
14	ACLC3670	ACLT3670	70
15	ACLC3672	ACLT3672	72
16	ACLC3674	ACLT3674	74

LOLOSS XLPE Acetabular Liner				
Sr No	Neutral Liner	15^0 Lip Liner	Dual Mobility Liner	Size
1	ACLP2844	ACLP152844	NA	44
2	ACLP2846	ACLP152846	NA	46
3	ACLP3248	ACLP153248	ACDMLP2848	48
4	ACLP3250	ACLP153250	ACDMLP2850	50
5	ACLP3652	ACLP153652	ACDMLP2852	52
6	ACLP3654	ACLP153654	ACDMLP2854	54
7	ACLP3656	ACLP153656	ACDMLP2856	56
8	ACLP3658	ACLP153658	ACDMLP2858	58
9	ACLP3660	ACLP153660	ACDMLP2860	60
10	ACLP3662	ACLP153662	ACDMLP2862	62
11	ACLP3664	ACLP153664	ACDMLP2864	64
12	ACLP3666	ACLP153666	ACDMLP2866	66
13	ACLP3668	ACLP153668	ACDMLP2868	68
14	ACLP3670	ACLP153670	ACDMLP2870	70
15	ACLP3672	ACLP153672	ACDMLP2872	72
16	ACLP3674	ACLP153674	ACDMLP2874	74

ZiAlu & TiTiN Femoral Head 12/14 TAPER			
Sr No	ZiAlu Ceramic Head	TiTiN Metal Head	Size
1	FHC28-1	FHT28-1	D +1.5 (S)
2	FHC28-2	FHT28-2	D +5 (M)
3	FHC28-3	FHT28-3	D +8.5 (L)
4	FCH28-4	FHT28-4	D +12 (XL)
5	FHC32-1	FHT32-1	D +1 (S)
6	FHC32-2	FHT32-2	D +5 (M)
7	FHC32-3	FHT32-3	D +9 (L)
8	FCH32-4	FHT32-4	D +12 (XL)
9	FHC36-1	FHT36-1	D +1.5 (S)
10	FHC36-2	FHT36-2	D +5 (M)
11	FHC36-3	FHT36-3	D +8.5 (L)
12	FHC36-4	FHT36-4	D +12 (XL)

6.5 MM Titanium Alloy Acetabular Screws		
Sr No	Screw Code	Length (MM)
1	TIAS15	15
2	TIAS20	20
3	TIAS25	25
4	TIAS30	30
5	TIAS35	35
6	TIAS40	40
7	TIAS45	45
8	TIAS50	50
9	TIAS55	55
10	TIAS60	60
11	TIAS65	65
12	TIAS70	70

360 Bipolar Acetabualar cup		
Sr No	360 Bipolar Code	Size OD(MM)
1	ACBP-38-24	38
2	ACBP-40-24	40
3	ACBP-42-24	42
4	ACBP-44-28	44
5	ACBP-46-28	46
6	ACBP-48-28	48
7	ACBP-50-28	50
8	ACBP-52-28	52
9	ACBP-54-28	54
10	ACBP-56-28	56
11	ACBP-58-28	58

CemAffinity Standard Cemented Femoral Stem 12/14 Taper			
Sr No	Item Code	Length (MM)	Angle
1	FSC-S-0	141.5	135°
2	FSC-S-2	167	135°
3	FSC-S-4	177	135°
4	FSC-S-6	186.5	135°
5	FSC-S-8	197	135°

Femoral Head 12/14 TAPER		
Sr No	Stainless Steel Metal Head	Size
1	FHS24-1	D +1.5 (S)
2	FHS24-2	D +5 (M)
3	FHS24-3	D +8.5 (L)
4	FHS24-4	D +12 (XL)
5	FHS28-1	D +1.5 (S)
6	FHS28-2	D +5 (M)
7	FHS28-3	D +8.5 (L)
8	FHS28-4	D +12 (XL)

CemAffinity Acetabular Cup Cemented		
Sr No	Item Code	Size OD(MM)
1	ACC-38-24	38
2	ACC-42-24	42
3	ACC-48-28	48
4	ACC-52-36	52
5	ACC-58-36	58
6	ACC-64-36	64

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Neurosurgery	Cardiothoracic
Orthopedics	Laparoscopic
Ophthalmology	Obst. Gynae
Plastic Surgery	Burn Treatment
Urosurgery	Wound Dressing
Andrology	Emergency Pressure Dressing
General Use	

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RESEARCH AND DEVELOPMENT CENTER
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