SPIRE®

DUAL MOBILITY





FRENCH CONCEPT
Italian Coating

SHARMA® ORTHOPEDIC

Sharma Orthopedic (India) Ltd.

SPIRE®
DUAL MOBILITY CUP

FRENCH CONCEPT
Italian Coating

SHARMA® ORTHOPEDIC

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

The SPIRE® 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).



Uncemented Cup

Material : S.S (ISO 5832-1), Titanium Alloy (ISO 5832-3), Co. Cr.
Coating : HA, Porous



Positioning of the Cup on the Prehensor by means of Reference Markers

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

Material : S.S (ISO 5832-1), Titanium Alloy (ISO 5832-3), Co. Cr.

DIAMETER	CAT. NO. S.S	CAT. NO. TIT.	CAT. NO. Co. Cr.
40 mm	SP05.THR3448	SP05.THR3448-T	SP05.THR3448-L
42 mm	SP05.THR3449	SP05.THR3449-T	SP05.THR3449-L
44 mm	SP05.THR3450	SP05.THR3450-T	SP05.THR3450-L
46 mm	SP05.THR3451	SP05.THR3451-T	SP05.THR3451-L
48 mm	SP05.THR3452	SP05.THR3452-T	SP05.THR3452-L
50 mm	SP05.THR3453	SP05.THR3453-T	SP05.THR3453-L
52 mm	SP05.THR3454	SP05.THR3454-T	SP05.THR3454-L
54 mm	SP05.THR3455	SP05.THR3455-T	SP05.THR3455-L
56 mm	SP05.THR3456	SP05.THR3456-T	SP05.THR3456-L
58 mm	SP05.THR3457	SP05.THR3457-T	SP05.THR3457-L
60 mm	SP05.THR3458	SP05.THR3458-T	SP05.THR3458-L
62 mm	SP05.THR3459	SP05.THR3459-T	SP05.THR3459-L



Cemented Cup

SPIRE®
DUAL MOBILITY LINER

SHARMA® ORTHOPEDIC

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.

Material : XLPE / UHMWPE

DIAMETER	XLPE	UHMWPE
42 mm / 26	SP05.THR3461-H	SP05.THR3461-U
44 mm / 26	SP05.THR3462-H	SP05.THR3462-U
46 mm / 26	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



Metal Back - Insert

FINER®
TOTAL HIP REPLACEMENT
INTERNAL HEAD

GERMAN MADE

SHARMA® ORTHOPEDIC

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 6474-1)
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 (ISO 5832-1) / Co. Cr.

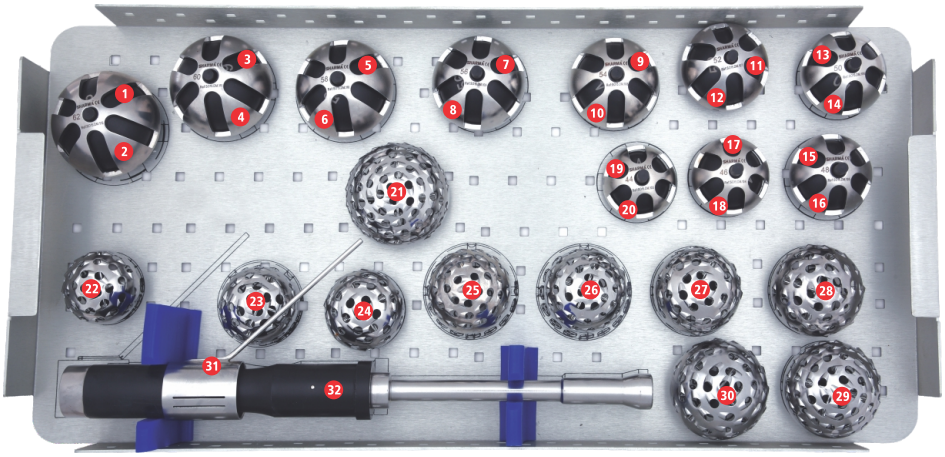
DIAMETER	22.0 MM		26.0 MM	
LENGTH	CAT. NO. S.S	CAT. NO. Co.Cr.	CAT. NO. S.S	CAT. NO. Co.Cr.
+1.0 mm	X	X	X	X
+1.5 mm	SP05.THR0031	SP05.THR0031-L	SP05.THR0061	SP05.THR0061-L
+5.0 mm	SP05.THR0032	SP05.THR0032-L	SP05.THR0062	SP05.THR0062-L
+8.5 mm	SP05.THR0033	SP05.THR0033-L	SP05.THR0063	SP05.THR0063-L
+9.0 mm	X	X	X	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. S.S	CAT. NO. Co.Cr.
+1.0 mm	X	X	SP05.THR0091	SP05.THR0091-L	X	X
+1.5 mm	SP05.THR0076	SP05.THR0076-L	X	X	SP05.THR0106	SP05.THR0106-L
+5.0 mm	SP05.THR0077	SP05.THR0077-L	SP05.THR0092	SP05.THR0092-L	SP05.THR0107	SP05.THR0107-L
+8.5 mm	SP05.THR0078	SP05.THR0078-L	X	X	SP05.THR0108	SP05.THR0108-L
+9.0 mm	X	X	SP05.THR0093	SP05.THR0093-L	X	X
+12.0 mm	SP05.THR0079	SP05.THR0079-L	X	X	SP05.THR0109	SP05.THR0109-L

SPIRE®
DUAL MOBILITY

SHARMA® ORTHOPEDIC

Instrument Set (Tray 1)

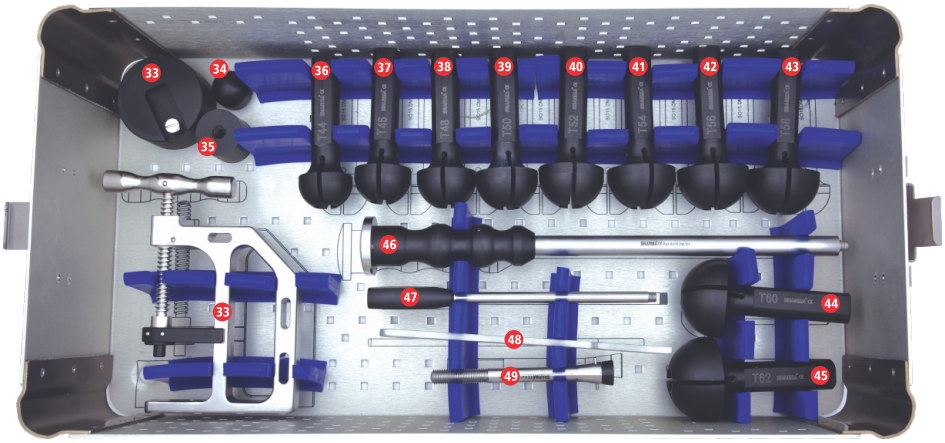


1	TRIAL INSERT APOGEE D28 62 MM SO15.DM.135	2	TRIAL DUAL MOBILITY METAL CUP 62 MM SO15.DM.112
3	TRIAL INSERT APOGEE D28 60 MM SO15.DM.134	4	TRIAL DUAL MOBILITY METAL CUP 60 MM SO15.DM.111
5	TRIAL INSERT APOGEE D28 58 MM SO15.DM.133	6	TRIAL DUAL MOBILITY METAL CUP 58 MM SO15.DM.110
7	TRIAL INSERT APOGEE D28 56 MM SO15.DM.132	8	TRIAL DUAL MOBILITY METAL CUP 56 MM SO15.DM.109
9	TRIAL INSERT APOGEE D28 54 MM SO15.DM.131	10	TRIAL DUAL MOBILITY METAL CUP 54 MM SO15.DM.108
11	TRIAL INSERT APOGEE D28 52 MM SO15.DM.130	12	TRIAL DUAL MOBILITY METAL CUP 52 MM SO15.DM.107
13	TRIAL INSERT APOGEE D28 50 MM SO15.DM.129	14	TRIAL DUAL MOBILITY METAL CUP 50MM SO15.DM.106
15	TRIAL INSERT APOGEE D28 48 MM SO15.DM.128	16	TRIAL DUAL MOBILITY METAL CUP 48 MM SO15.DM.105
17	TRIAL INSERT APOGEE D28 46 MM SO15.DM.127	18	TRIAL DUAL MOBILITY METAL CUP 46 MM SO15.DM.104
19	TRIAL INSERT APOGEE D28 44 MM SO15.DM.154	20	TRIAL DUAL MOBILITY METAL CUP 44 MM SO15.DM.103
21	ACETABULAR REAMER 62 MM SO15.DM.146	22	ACETABULAR REAMER 44 MM SO15.DM.137
23	ACETABULAR REAMER 46MM SO15.DM.138	24	ACETABULAR REAMER 48 MM SO15.DM.139
25	ACETABULAR REAMER 50 MM SO15.DM.140	26	ACETABULAR REAMER 52 MM SO15.DM.141
27	ACETABULAR REAMER 54 MM SO15.DM.142	28	ACETABULAR REAMER 56 MM SO15.DM.143
29	ACETABULAR REAMER 58 MM SO15.DM.144	30	ACETABULAR REAMER 60 MM SO15.DM.145
31	ANGLE MEASURE GUIDE SO15.DM.156		
32	FINAL IMPACTOR SO15.DM.113		

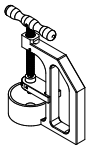
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Instrument Set (Tray 2)



33 **PRESS**
SO15.DM.152



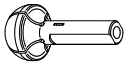
34 **TRIAL HEAD D26 & D28**
SO15.DM.147 & SO15.DM.148



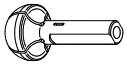
35 **PUSH INSERT**
SO15.DM.149



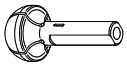
36 **PREHENSIVE HANDLE FOR FINAL CUP 44 MM**
SO15.DM.116



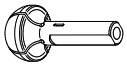
37 **PREHENSIVE HANDLE FOR FINAL CUP 46 MM**
SO15.DM.117



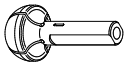
38 **PREHENSIVE HANDLE FOR FINAL CUP 48 MM**
SO15.DM.118



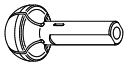
39 **PREHENSIVE HANDLE FOR FINAL CUP 50 MM**
SO15.DM.119



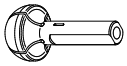
40 **PREHENSIVE HANDLE FOR FINAL CUP 52 MM**
SO15.DM.120



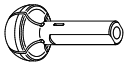
41 **PREHENSIVE HANDLE FOR FINAL CUP 54 MM**
SO15.DM.121



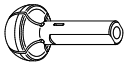
42 **PREHENSIVE HANDLE FOR FINAL CUP 56 MM**
SO15.DM.122



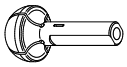
43 **PREHENSIVE HANDLE FOR FINAL CUP 58 MM**
SO15.DM.123



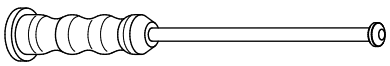
44 **PREHENSIVE HANDLE FOR FINAL CUP 60 MM**
SO15.DM.124



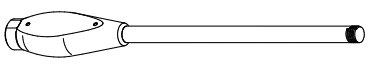
45 **PREHENSIVE HANDLE FOR FINAL CUP 62 MM**
SO15.DM.125



46 **HANDLE FOR TRIAL CUP**
SO15.DM.101



47 **EXTRACTOR FOR TRIAL INSERT**
SO15.DM.150



48 **KEY FOR CEMENTED CUP**
SO15.DM.151



49 **GUIDE FOR PREHENSIVE HANDLE**
SO15.DM.114

SPIRE®
DUAL MOBILITY

SHARMA®
ORTHOPEDIC

Instrument Set (Container)





Established Excellence :

Founded in 1992, **SHARMA ORTHOPEDIC** is a globally recognized leader in orthopedic implants and instruments, delivering precision - engineered solutions trusted in **50+ Countries** worldwide.

Diverse Product Portfolio:

We specialize in **Arthroplasty Implants** (Total Hip & Knee Replacements), **Spine Implants, Osteosynthesis / Trauma Implants** (Bone Plates, Screws, Interlocking Nails), **Sports Medicine** (Arthroscopy Implants), **High-Tech Instruments** and **Surgical Power Tools.**





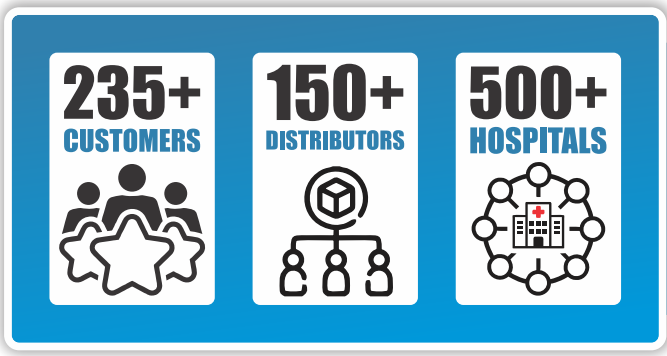
World-Class Infrastructure:

Our advanced **62,391 sq. ft.** Manufacturing facility in Vadodara, India, is equipped with **State-of-the-art Machinery** such as **Multi-Axis Machines, 5-Axis CNC, Robotic Coating / Polishing Systems** and **CMM** for unmatched precision. We are expanding our manufacturing facility by **70,888 sq. ft.** to accommodate increased production capacities and support the development of new products.

Global Certifications & Compliance:

ISO 13485 & ISO 9001-certified, CDSCO-approved (Indian FDA, MD 5 & MD-9), USFDA510(k) in progress for **Osteosynthesis, Arthroplasty and Spine.**





Trusted Partnerships:

We collaborate with **235+ Customers** globally and operate through a robust Domestic network of **150 Distributors**, Serving **500+ Hospitals** in India.

SHARMA® ORTHOPEDIC

Sharma Orthopedic (India) Ltd.

(Previously known as Sharma Orthopedic (India) Pvt. Ltd.)

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