



DKSORTHO®

ANATOMIC **SHOULDER REPLACEMENT** SYSTEM

*Anatomically **Designed**.
Clinically **Proven**.*



ANATOMIC DESIGN
Mimics natural anatomy
for superior outcomes



STABLE & RELIABLE
Optimized fixation for
long term stability



ADVANCED MATERIALS
Biocompatible materials for
strength and durability



BETTER MOBILITY
Restores natural movement
and improves quality of life



**PROVEN
PERFORMANCE**



**PRECISE
ENGINEERING**



**TRUSTED BY
SURGEONS**



**IMPROVING LIVES
WORLDWIDE**



Introduction

DKSORTHO & SHARMA PHARMACEUTICALS 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 orthopaedic surgeons. We are Serving the orthopaedics globally with the best quality of implants and instruments since 1992 i.e. more than 33 years.

Our Products: (Stainless Steel & Titanium)

1. **ARTHROPLASTY** (TOTAL KNEE REPLACEMENT, TOTAL HIP REPLACEMENT, SHOULDER REPLACEMENT ETC.(CEMENTED & UNCEMENTED))
2. **HEMI-ARTHROPLASTY** (MODULAR BI-POLAR HIP, BI- POLAR HIP, AMP, THOMPSON PROSTHESIS ETC. (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**

DKSORTHO & SHARMA PHARMACEUTICALS 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.

DKSORTHO & SHARMA PHARMACEUTICALS 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.dksortho.com



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Humeral Stem Standard (122 mm)

A standard-length humeral stem used as a component of an anatomic shoulder replacement system. It is implanted into the prepared humeral canal to provide fixation and structural support for the humeral head component.

- **Length:** 122 mm
- **Function:** Anchors and stabilizes the humeral component
- **Placement:** Prepared humeral canal
- **Design:** Standard-length humeral stem
- **Application:** Anatomic total shoulder arthroplasty
- **Support:** Provides a secure interface for attachment of the humeral head
- **Material:** Typically a biocompatible metal alloy, depending on the manufacturer
- **Compatibility:** Intended for use with compatible components of the corresponding shoulder replacement system

Size	CAT. No. 316 LVM	CAT. No. F75 Co.Cr.	CAT. No. TIT.
4mm	S23.SP9530-LVM	S23.SP9530-L	S23.SP9530-T
5mm	S23.SP9531-LVM	S23.SP9531-L	S23.SP9531-T
6mm	S23.SP9532-LVM	S23.SP9532-L	S23.SP9532-T
7mm	S23.SP9533-LVM	S23.SP9533-L	S23.SP9533-T
8mm	S23.SP9534-LVM	S23.SP9534-L	S23.SP9534-T
9mm	S23.SP9535-LVM	S23.SP9535-L	S23.SP9535-T
10mm	S23.SP9536-LVM	S23.SP9536-L	S23.SP9536-T
11mm	S23.SP9537-LVM	S23.SP9537-L	S23.SP9537-T
12mm	S23.SP9538-LVM	S23.SP9538-L	S23.SP9538-T
13mm	S23.SP9539-LVM	S23.SP9539-L	S23.SP9539-T
14mm	S23.SP9540-LVM	S23.SP9540-L	S23.SP9540-T
15mm	S23.SP9541-LVM	S23.SP9541-L	S23.SP9541-T
16mm	S23.SP9542-LVM	S23.SP9542-L	S23.SP9542-T
17mm	S23.SP9543-LVM	S23.SP9543-L	S23.SP9543-T
18mm	S23.SP9544-LVM	S23.SP9544-L	S23.SP9544-T
19mm	S23.SP9545-LVM	S23.SP9545-L	S23.SP9545-T
20mm	S23.SP9546-LVM	S23.SP9546-L	S23.SP9546-T



Humeral Stem Mini - 83 mm

A mini-length humeral stem used as a component of an anatomic shoulder replacement system. It is implanted into the prepared humeral canal to provide fixation and support for the humeral head component while preserving more of the patient's native humeral bone.

- **Length:** 83 mm
- **Function:** Provides fixation and stabilization of the humeral component
- **Placement:** Prepared humeral canal
- **Design:** Mini length stem intended to preserve bone compared with a standard-length stem
- **Application:** Anatomic total shoulder arthroplasty
- **Support:** Provides a stable base for the humeral head
- **Material:** Typically a biocompatible metal alloy, depending on the manufacturer
- **Compatibility:** Intended for use with compatible components of the corresponding shoulder replacement system

Size	CAT. No. 316 LVM	CAT. No. F75 Co.Cr.	CAT. No. TIT.
4mm	S23.SP9547-LVM	S23.SP9547-L	S23.SP9547-T
5mm	S23.SP9548-LVM	S23.SP9548-L	S23.SP9548-T
6mm	S23.SP9549-LVM	S23.SP9549-L	S23.SP9549-T
7mm	S23.SP9550-LVM	S23.SP9550-L	S23.SP9550-T
8mm	S23.SP9551-LVM	S23.SP9551-L	S23.SP9551-T
9mm	S23.SP9552-LVM	S23.SP9552-L	S23.SP9552-T
10mm	S23.SP9553-LVM	S23.SP9553-L	S23.SP9553-T
11mm	S23.SP9554-LVM	S23.SP9554-L	S23.SP9554-T
12mm	S23.SP9555-LVM	S23.SP9555-L	S23.SP9555-T
13mm	S23.SP9556-LVM	S23.SP9556-L	S23.SP9556-T
14mm	S23.SP9557-LVM	S23.SP9557-L	S23.SP9557-T
15mm	S23.SP9558-LVM	S23.SP9558-L	S23.SP9558-T
16mm	S23.SP9559-LVM	S23.SP9559-L	S23.SP9559-T
17mm	S23.SP9560-LVM	S23.SP9560-L	S23.SP9560-T
18mm	S23.SP9561-LVM	S23.SP9561-L	S23.SP9561-T
19mm	S23.SP9562-LVM	S23.SP9562-L	S23.SP9562-T
20mm	S23.SP9563-LVM	S23.SP9563-L	S23.SP9562-T



Humeral Stem—Micro (55 mm)

A micro-length humeral stem used as a component of an anatomic shoulder replacement system. It is implanted into the prepared humeral canal to provide fixation and support for the humeral head component while allowing greater preservation of the patient's native humeral bone.

- **Length:** 55 mm
- **Function:** Provides fixation and stabilization of the humeral component
- **Placement:** Prepared humeral canal
- **Design:** Micro length stem designed for bone preservation
- **Application:** Anatomic total shoulder arthroplasty
- **Support:** Provides a stable base for attachment of the humeral head
- **Material:** Typically a biocompatible metal alloy, depending on the manufacturer
- **Compatibility:** Intended for use with compatible components of the corresponding shoulder replacement system

Size	CAT. No. 316 LVM	CAT. No. F75 Co.Cr.	CAT. No. TIT.
4mm	S23.SP9564-LVM	S23.SP9564-L	S23.SP9564-T
5mm	S23.SP9565-LVM	S23.SP9565-L	S23.SP9565-T
6mm	S23.SP9566-LVM	S23.SP9566-L	S23.SP9566-T
7mm	S23.SP9567-LVM	S23.SP9567-L	S23.SP9567-T
8mm	S23.SP9568-LVM	S23.SP9568-L	S23.SP9568-T
9mm	S23.SP9569-LVM	S23.SP9569-L	S23.SP9569-T
10mm	S23.SP9570-LVM	S23.SP9570-L	S23.SP9570-T
11mm	S23.SP9571-LVM	S23.SP9571-L	S23.SP9571-T
12mm	S23.SP9572-LVM	S23.SP9572-L	S23.SP9572-T
13mm	S23.SP9573-LVM	S23.SP9573-L	S23.SP9573-T
14mm	S23.SP9574-LVM	S23.SP9574-L	S23.SP9574-T
15mm	S23.SP9575-LVM	S23.SP9575-L	S23.SP9575-T
16mm	S23.SP9576-LVM	S23.SP9576-L	S23.SP9576-T
17mm	S23.SP9577-LVM	S23.SP9577-L	S23.SP9577-T
18mm	S23.SP9578-LVM	S23.SP9578-L	S23.SP9578-T
19mm	S23.SP9579-LVM	S23.SP9579-L	S23.SP9579-T
20mm	S23.SP9580-LVM	S23.SP9580-L	S23.SP9580-T



Humeral Stem - Revision (194 mm)

A revision-length humeral stem designed for use in shoulder arthroplasty revision procedures. Its extended length allows the implant to obtain fixation deeper within the humeral canal, providing additional stability when revising or replacing a previously implanted humeral component.

- **Length:** 194 mm
- **Function:** Provides fixation and stabilization of the revised humeral component
- **Placement:** Prepared humeral canal, extending into the distal humerus
- **Design:** Long revision stem intended to provide enhanced distal fixation and load transfer
- **Application:** Revision shoulder arthroplasty
- **Support:** Provides a stable platform for the compatible humeral tray/head components
- **Material:** Typically a biocompatible metal alloy, depending on the manufacturer
- **Compatibility:** Intended for use with compatible components within the corresponding shoulder arthroplasty system

Size	CAT. No. 316 LVM	CAT. No. F75 Co.Cr.	CAT. No. TIT.
4mm	S23.SP9581-LVM	S23.SP9581-L	S23.SP9581-T
6mm	S23.SP9582-LVM	S23.SP9582-L	S23.SP9582-T
8mm	S23.SP9583-LVM	S23.SP9583-L	S23.SP9583-T
10mm	S23.SP9584-LVM	S23.SP9584-L	S23.SP9584-T
12mm	S23.SP9585-LVM	S23.SP9585-L	S23.SP9585-T
14mm	S23.SP9586-LVM	S23.SP9586-L	S23.SP9586-T



Dual Humeral Head

A dual humeral head is a humeral component used in an anatomic shoulder replacement system to replace the patient's damaged or diseased humeral head. Its dual-component design provides flexibility in positioning the articular surface to help reproduce the patient's natural shoulder anatomy.

- **Function:** Replaces the native humeral head and restores the articulating surface
- **Design:** Dual-component configuration allowing adjustment of humeral head positioning
- **Placement:** Attached to the compatible humeral stem
- **Application:** Anatomic total shoulder arthroplasty
- **Purpose:** Helps restore shoulder anatomy, joint congruency, and range of motion
- **Compatibility:** Used with compatible humeral stems and other components of the corresponding shoulder replacement system
- **Material:** Typically manufactured from a biocompatible metal alloy, depending on the manufacturer

Size	CAT. No. 316 LVM	CAT. No. F75 Co.Cr.	CAT. No. TIT.
38X19X39 mm	S23.SP9587-LVM	S23.SP9587-L	S23.SP9587-T
38X21X38 mm	S23.SP9588-LVM	S23.SP9588-L	S23.SP9588-T
42X18X46 mm	S23.SP9589-LVM	S23.SP9589-L	S23.SP9589-T
42X21X43 mm	S23.SP9590-LVM	S23.SP9590-L	S23.SP9590-T
42X24X42 mm	S23.SP9591-LVM	S23.SP9591-L	S23.SP9591-T
46X18X53 mm	S23.SP9592-LVM	S23.SP9592-L	S23.SP9592-T
46X21X50 mm	S23.SP9593-LVM	S23.SP9593-L	S23.SP9593-T
46X24X47 mm	S23.SP9594-LVM	S23.SP9594-L	S23.SP9594-T
46X27X46 mm	S23.SP9595-LVM	S23.SP9595-L	S23.SP9595-T
50X21X57 mm	S23.SP9596-LVM	S23.SP9596-L	S23.SP9596-T
50X24X52 mm	S23.SP9597-LVM	S23.SP9597-L	S23.SP9597-T
50X27X50 mm	S23.SP9598-LVM	S23.SP9598-L	S23.SP9598-T
54X21X64 mm	S23.SP9599-LVM	S23.SP9599-L	S23.SP9599-T
54X24X58 mm	S23.SP9600-LVM	S23.SP9600-L	S23.SP9600-T
54X27X55 mm	S23.SP9601-LVM	S23.SP9601-L	S23.SP9601-T
58X24X64 mm	S23.SP9602-LVM	S23.SP9602-L	S23.SP9602-T
58X27X61 mm	S23.SP9603-LVM	S23.SP9603-L	S23.SP9603-T



Dual Titanium Humeral Head

A dual titanium humeral head is a humeral head component used in an anatomic shoulder replacement system to replace the damaged or diseased articular surface of the humeral head. Its dual-component design allows the humeral head position to be adjusted to better reproduce the patient's natural shoulder anatomy.

- **Material:** Titanium alloy
- **Function:** Replaces the native humeral head and restores the articulating surface
- **Design:** Dual-component configuration for greater flexibility in positioning
- **Placement:** Attached to a compatible humeral stem
- **Application:** Anatomic total shoulder arthroplasty
- **Purpose:** Helps restore anatomical alignment, joint mechanics, and shoulder function
- **Compatibility:** Must be used with compatible humeral stems and other components of the corresponding implant system
- **Material properties:** Titanium alloys are lightweight, strong, and biocompatible

Size	CAT. No. 316 LVM	CAT. No. F75 Co.Cr.	CAT. No. TIT.
38X19X39 mm	S23.SP9604-LVM	S23.SP9604-L	S23.SP9604-T
38X21X38 mm	S23.SP9605-LVM	S23.SP9605-L	S23.SP9605-T
42X18X46 mm	S23.SP9606-LVM	S23.SP9606-L	S23.SP9606-T
42X21X43 mm	S23.SP9607-LVM	S23.SP9607-L	S23.SP9607-T
42X24X42 mm	S23.SP9608-LVM	S23.SP9608-L	S23.SP9608-T
46X18X53 mm	S23.SP9609-LVM	S23.SP9609-L	S23.SP9609-T
46X21X50 mm	S23.SP9610-LVM	S23.SP9610-L	S23.SP9610-T
46X24X47 mm	S23.SP9611-LVM	S23.SP9611-L	S23.SP9611-T
46X27X46 mm	S23.SP9612-LVM	S23.SP9612-L	S23.SP9612-T
50X21X57 mm	S23.SP9613-LVM	S23.SP9613-L	S23.SP9613-T
50X24X52 mm	S23.SP9614-LVM	S23.SP9614-L	S23.SP9614-T
50X27X50 mm	S23.SP9615-LVM	S23.SP9615-L	S23.SP9615-T
54X21X64 mm	S23.SP9616-LVM	S23.SP9616-L	S23.SP9616-T
54X24X58 mm	S23.SP9617-LVM	S23.SP9617-L	S23.SP9617-T
54X27X55 mm	S23.SP9618-LVM	S23.SP9618-L	S23.SP9618-T
58X24X64 mm	S23.SP9619-LVM	S23.SP9619-L	S23.SP9619-T
58X27X61 mm	S23.SP9620-LVM	S23.SP9620-L	S23.SP9620-T



Standard Taper Adaptor

A standard taper adaptor is an interface component used in a shoulder replacement system to connect the humeral stem with the compatible humeral head. It provides a secure mechanical connection between components through a tapered interface.

- **Function:** Connects and secures the humeral head to the humeral stem
- **Design:** Standard tapered interface for component engagement
- **Placement:** Between the humeral stem and humeral head
- **Application:** Anatomic shoulder arthroplasty
- **Purpose:** Facilitates proper positioning and secure fixation of the humeral head
- **Compatibility:** Must match the taper specifications of the corresponding implant components
- **Material:** Typically manufactured from a biocompatible metal alloy, depending on the manufacturer

Size	CAT. No. 316 LVM	CAT. No. F75 Co.Cr.	CAT. No. TIT.
STD.	S23.SP9621-LVM	S23.SP9621-L	S23.SP9621-T



Modular Hybrid Glenoid Base

A modular hybrid glenoid base is a glenoid component used in an anatomic shoulder replacement system to provide a stable foundation for the glenoid articular component. Its modular design allows the base and articulating component to be assembled as compatible components during shoulder arthroplasty.

- **Function:** Provides structural support and fixation on the glenoid side of the shoulder joint
- **Design:** Modular hybrid configuration combining fixation and articulating components
- **Placement:** Prepared glenoid surface
- **Application:** Anatomic total shoulder arthroplasty
- **Purpose:** Helps restore the glenoid joint surface while providing stable implant fixation
- **Fixation:** May incorporate multiple fixation features depending on the specific system
- **Compatibility:** Intended for use with compatible glenoid components of the corresponding implant system
- **Material:** May incorporate biocompatible metal and/or polymeric materials, depending on the manufacturer

Size	CAT. No. UHMWPE	CAT. No. XLPE	CAT. No. VITMIN E
Small	S23.SP9622-U	S23.SP9622-H	S23.SP9622-VE
Medium	S23.SP9623-U	S23.SP9623-H	S23.SP9623-VE
Large	S23.SP9624-U	S23.SP9624-H	S23.SP9624-VE



Modular Hybrid Glenoid Post - Regenerex

A modular hybrid glenoid post – Regenerex is a glenoid fixation component used in a compatible shoulder arthroplasty system. The post provides a central fixation interface within the glenoid and is designed to support stable fixation of the modular glenoid component.

- **Function:** Provides central fixation and structural support for the glenoid component
- **Design:** Modular post intended for integration with a compatible hybrid glenoid construct
- **Placement:** Inserted into the prepared central glenoid cavity
- **Application:** Shoulder arthroplasty
- **Fixation:** Designed to provide mechanical stability and support for the glenoid implant
- **Regenerex:** Refers to a porous implant material/technology intended to promote bone ingrowth and biological fixation
- **Compatibility:** Must be used with the corresponding compatible glenoid base and system components
- **Material:** Typically incorporates a porous titanium-based structure; exact composition and specifications are manufacturer-specific

Size	CAT. No. 316 LVM	CAT. No. F75 Co.Cr.	CAT. No. TIT.
STD.	S23.SP9625-LVM	S23.SP9625-L	S23.SP9625-T



Modular Hybrid Glenoid Post - Polyethylene

A modular hybrid glenoid post – polyethylene is a glenoid fixation component used in a compatible anatomic shoulder replacement system. The post is incorporated into the glenoid component and extends into the prepared glenoid to provide central fixation and stability.

- **Function:** Provides central fixation and support for the glenoid component
- **Material:** Polyethylene
- **Design:** Modular post designed for use with a compatible hybrid glenoid construct
- **Placement:** Inserted into the prepared central glenoid cavity
- **Application:** Anatomic total shoulder arthroplasty
- **Purpose:** Helps secure the glenoid component and maintain stable positioning during shoulder movement
- **Compatibility:** Must be used with the corresponding compatible modular hybrid glenoid base and system components
- **Fixation:** Provides a mechanical interface between the glenoid component and prepared bone

Size	CAT. No. 316 LVM	CAT. No. F75 Co.Cr.	CAT. No. TIT.
STD.	S23.SP9626-LVM	S23.SP9626-L	S23.SP9626-T



Keeled Glenoid - 4 mm

A keeled glenoid – 4 mm is a glenoid component used in an anatomic shoulder replacement system to replace the damaged articular surface of the glenoid. Its keeled design incorporates a central keel that engages the prepared glenoid bone to provide implant stability and fixation.

- **Thickness:** 4 mm
- **Function:** Replaces the damaged glenoid articular surface
- **Design:** Keeled glenoid component with a central keel for fixation
- **Placement:** Prepared glenoid surface
- **Application:** Anatomic total shoulder arthroplasty
- **Purpose:** Restores the glenoid joint surface and provides stable articulation with the humeral head
- **Material:** Typically medical-grade polyethylene, depending on the manufacturer
- **Fixation:** The keel is seated within a prepared slot in the glenoid and may be secured according to the manufacturer's fixation technique
- **Compatibility:** Must be used with the corresponding compatible humeral head and other system components

Size	CAT. No. UHMWPE	CAT. No. XLPE	CAT. No. VITMIN E
Small	S23.SP9627-U	S23.SP9627-H	S23.SP9627-VE
Medium	S23.SP9628-U	S23.SP9628-H	S23.SP9628-VE
Large	S23.SP9629-U	S23.SP9629-H	S23.SP9629-VE



Keeled Glenoid - 7 mm

A keeled glenoid – 7 mm is a glenoid component used in an anatomic shoulder replacement system to replace the damaged or diseased articular surface of the glenoid. Its keeled design provides a central fixation feature that engages the prepared glenoid bone.

- **Thickness:** 7 mm
- **Function:** Replaces the native glenoid articular surface
- **Design:** Keeled configuration with a central keel for fixation
- **Placement:** Prepared glenoid surface
- **Application:** Anatomic total shoulder arthroplasty
- **Purpose:** Restores the glenoid articular surface and provides a stable bearing surface for the humeral head
- **Material:** Typically medical-grade polyethylene, depending on the manufacturer
- **Fixation:** The keel is seated into a prepared slot in the glenoid and secured according to the manufacturer's surgical technique
- **Compatibility:** Must be used with compatible components of the corresponding shoulder replacement system

Size	CAT. No. UHMWPE	CAT. No. XLPE	CAT. No. VITMIN E
Small	S23.SP9630-U	S23.SP9630-H	S23.SP9630-VE
Medium	S23.SP9631-U	S23.SP9631-H	S23.SP9631-VE
Large	S23.SP9632-U	S23.SP9632-H	S23.SP9632-VE



**Contact your Dksortho representative or visit us at
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