



Encore Medical, L.P.
 9800 Metric Blvd.
 Austin, TX 78758

MDSS GmbH
 Schiffgraben 41
 30175 Hannover, Germany



0400-0248 Rev. E 2017-03

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Product Description

The following instruments/trays have been validated under the sterilization cycle outlined in this IFU:

- FA K EMP PS FEM TRL CAP CORE (800-99-117)
- FA K EMP PS FEM TRL CORE (800-99-117)
- FA K EMP PS INS TRL CORE (800-99-118)
- FA K EMP PS TRL PREP OUT L CAP (800-99-108)
- FA K EMP PS TRL PREP OUT LG (800-99-108)
- FA K EMP PS TRL PREP OUT S CAP (800-99-107)
- FA K EMP PS TRL PREP OUT SML (800-99-107)
- FA S ALT ANATOMIC HUM STEM (804-99-125)
- FA S ALT ANATOMIC HUM HEAD (804-99-126)
- FA S ALT ANATOMIC GLENOID (804-99-127)
- FA S TURON KEELED GLENOID (804-99-128)
- FA H EXPRT REV HIP REAMERS (803-99-095)
- FA H EXPRT REV HIP GENERAL (803-99-096)
- FA H FMP STR CUP INSERTER (803-99-101)
- DOUBLE OFFSET BROACH HANDLE, LEFT (803-03-084)
- DOUBLE OFFSET BROACH HANDLE, RIGHT (803-03-085)

**Recommendation for the Care and Handling for
 DJO Surgical Instruments and Instrument Cases**

REUSABLE INSTRUMENT DESCRIPTION	DJO Surgical instrumentation consists of devices and their accessories used in surgical procedures. Implantation of DJO Surgical products should only be performed with DJO Surgical instrumentation or instrumentation distributed by DJO Surgical. DJO Surgical instruments and instrument cases are generally composed of titanium, stainless steel, aluminum, and/or polymeric materials. The cases may be multi-layered with various inserts to hold surgical instrumentation in place during handling and storage. The inserts may consist of trays, holders, and silicone mats. The instrument cases will allow sterilization of the contents to occur in a steam autoclave utilizing the cleaning, sterilization, and drying cycle that has been validated and detailed below. Instrument cases do not provide a sterile barrier and must be used in conjunction with FDA cleared sterilization wrap to maintain sterility. Instruments are provided non-sterile and should be stored in their original packaging until cleaned and sterilized according to the recommended guidelines listed below. The maximum weight of a loaded tray does not exceed 25lbs per AAMI ST77.
WARNINGS	Automated cleaning may not be thorough enough. Carefully inspect each instrument to ensure that all visible blood residue and other contaminants have been removed.
CAUTION	Federal Law (USA) restricts this device to sale by or on the order of a physician.
REPROCESSING LIMITATIONS	DJO Surgical instruments can be steam sterilized and repeat sterilization will not adversely affect them. If problems related to instrument sets are identified when using our instruments or instrument cases, please bring it to the attention of DJO Surgical for investigation. The lifetime of an instrument is typically limited by normal wear and damage due to use.
DISCLAIMER	DJO Surgical instrument cases are intended to protect instrumentation and facilitate the sterilization process by allowing steam penetration and drying. DJO Surgical has verified through laboratory testing that our instrument cases are suitable for the sterilization cycles listed in the sterilization section of the IFU. It is the user's responsibility to verify that equipment is performing as intended, and conditions are achieved.

INSTRUCTIONS FOR USE

POINT OF USE PREPARATION	Keep instruments moist and do not allow blood and/or bodily fluids to dry on the instruments. The decontamination process should begin immediately after the completion of the surgical procedure. If cleaning must be delayed, place instruments in a covered container with pH Neutral enzymatic detergent to delay drying. Instruments should be cleaned within 30 minutes of use to minimize the potential for drying prior to cleaning.
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	Wash all instruments whether or not they were used or were inadvertently contacted with blood. Disassemble instruments with removable parts; loosen instruments with movable parts, as applicable.
DECONTAMINATION	Decontamination is for the purpose of microbial inactivation. Saturate the surface completely with full strength intermediate disinfectant/cleaner* (e.g. CaviCide) and allow to remain in contact with devices for 5 minutes.
A. MANUAL CLEANING: ALL INSTRUMENTS	<ol style="list-style-type: none"> Disassembly and reassembly: If instruments require disassembly for cleaning, instrument is marked or has disassembly/reassembly instructions provided on the website at http://djoglobal.com/our-brands/djo-surgical or the surgical technique Pre-Cleaning: Remove all visible soil by immersing the devices in room temperature neutral pH enzymatic cleaner* (e.g. MetriZyme) mixed per manufacturer's recommendation and disassemble/loosen instruments, if suitable. The majority of the surgical instruments and trial devices are simply constructed and will not require disassembly. However, some of the more complex instruments are made of several components and these should be disassembled into their individual parts prior to decontamination. Scrub with the appropriate soft bristle brush until visibly clean; actuate through the full range of motion. Washing: Immerse devices in the ultrasonic washer/cleaner with room temperature neutral pH enzymatic cleaner* (e.g. MetriZyme) mixed per manufacturer's recommendation and sonicate for 10 minutes. Ultrasonic cleaners can be used with hot water per the manufacturers' recommended temperature; however, room temperature was qualified. Be aware that loading patterns, water temperature, and other external factors may change the effectiveness of the equipment. Rinsing: Thoroughly rinse the devices with deionized or distilled water. For example, a minimum of 2 minutes three (3) times. <p>* Do not use high acidic (pH <4) or high alkaline (pH >10) products for disinfection or cleaning, since these can corrode metal, cause discoloration or stress fractures. Other cleaning/disinfection methods may also be suitable, however individuals or hospitals not using the recommended method are advised to validate any alternate method using appropriate laboratory techniques.</p>
B. MANUAL CLEANING: INSTRUMENTS WITH CANNULAS, LUMENS, OR HOLES	<ol style="list-style-type: none"> Pre-Cleaning: Follow the "Pre-Cleaning" and "Washing" steps in Section A. Manual Cleaning – ALL INSTRUMENTS. Washing: After ultrasonic cleaning, in a fresh enzymatic cleaning bath use a tight-fitting, soft, non-metallic cleaning brush or pipe cleaner to scrub any cannula, lumen, or hole(s). Push in and out, using a twisting motion to remove debris. Use a syringe filled with enzymatic neutral pH cleaning solution to flush hard to reach internal areas. Rinsing: Flush the instrument paying special attention to the cannulations, lumens, and/or holes with deionized or distilled water. For example, a minimum of 2 minutes three (3) times.
C. MANUAL CLEANING: ARTICULATING INSTRUMENTS	<ol style="list-style-type: none"> Pre-Cleaning: Follow the "Pre-Cleaning" and "Washing" steps in Section A. Manual Cleaning – ALL INSTRUMENTS. Washing: After ultrasonic cleaning, immerse the instrument in fresh neutral pH enzymatic cleaning solution to avoid aerosol generation. Actuate moveable mechanisms through full range of motion, such as knobs, hinges, box locks, or spring-loaded/retractable features. For instruments with flexible shafts, bend or flex the instrument under the neutral pH cleaning solution while brushing the flexible areas. For instruments with internal cavities, after actuating components in the neutral PH cleaning solution, fully open components and use a tight-fitting, soft, non-metallic cleaning brush or pipe cleaner to scrub the internal cavities. Use a syringe filled with enzymatic neutral pH cleaning solution to flush hard to reach internal areas Rinsing: Actuate and/or retract moveable parts while rinsing with deionized or distilled water. For example, a minimum of 2 minutes three (3) times. For instruments with flexible shafts, flex the instrument while rinsing.
AUTOMATED CLEANING	Manual cleaning must be complete prior to automated cleaning. DJO Surgical instruments may be washed and/or disinfected by using an automated washer-disinfection unit utilizing thermal disinfection after completing the manual cleaning methods. Temperatures, cycles, and disinfectant type used should be as instructed by manufacturer of the washer-disinfection unit. For ultrasonic cleaning follow the manufacturer's specifications for suggested water level and concentration. When using mechanical washers, make sure the instruments are secured in place within the instrument case with the lid removed, and do not touch or overlap. Automated washer/disinfectors systems are not recommended as the sole cleaning method for surgical instruments.
DRYING	Ensure device is dry prior to inspection and sterilization preparation. Instruments must be thoroughly dried to remove residual moisture before they are stored. Filtered compressed air may be used prior to air drying if available.
MAINTENANCE INSPECTION AND TESTING	<p>After cleaning, the instruments (disassembled, if applicable) should be visually inspected in adequate lighting. Check for misalignment, burrs, bent, fractured tips or has unacceptable deterioration such as corrosion, discoloration, pitting, cracked seals. Mechanically test the working parts (e.g. hinges) to verify that each instrument functions throughout its intended range of motion. Place instruments into appropriate configuration within instrument case and wrap with protective FDA cleared sterilization wrap according to AAMI / AORN guidelines.</p> <p>Surgical instruments and instrument cases are susceptible to damage from prolonged use, and through misuse or rough handling. Care must be taken to avoid compromising their performance. To minimize damage, conduct the following:</p> <ol style="list-style-type: none"> Inspect instrument cases and instruments for damage when received and after each use and cleaning. Incompletely cleaned instruments should be re-cleaned, and those that need repair returned for servicing. Only use an instrument for its intended purpose. When handling sharp instruments use extreme caution to avoid injury. Consult with an infection control practitioner to develop safety procedures appropriate for all levels of direct instrument contact. If instruments appear to be damaged in such a way that may compromise the performance of the instrument, contact your DJO Surgical representative for a replacement. Visually inspect the instrument and check for damage and wear, moveable parts should have smooth movement, locking mechanisms should fasten securely <p>For unacceptable parts, contact DJO Surgical Customer Service.</p>
TRANSPORT	Compliance with the general precautionary measures for handling contaminated/biologically hazardous materials is required.
STERILIZATION	<p>Instruments supplied by DJO Surgical have been thoroughly cleaned, inspected and tested for proper function prior to shipment. Unless otherwise indicated, these instruments are NOT STERILE and must be sterilized prior to use. Instruments provided outside of instrument sets should be fully loosened/disassembled and wrapped in FDA cleared sterilization wrap per AAMI ST:79/AORN Guidelines. Flash (immediate-use) steam sterilization by exposure at 132°C / 270°F should only be used as an emergency procedure. Instruments must be cleaned and disassembled prior to processing.</p> <p>The following are minimum cycles required for steam sterilization that has been validated by DJO Surgical under laboratory conditions to achieve a SAL of 10⁻⁶ with components loosened or disassembled. DJO Surgical has data on file.</p> <p>Sterilization with a Pre-Vacuum Sterilizer (HI-VAC): 270° F (132° C), 4-minute exposure time and a 30-minute dry time.</p>
STORAGE	Instruments must be thoroughly dried to remove residual moisture before they are stored. Instruments or instrument cases that have been processed and wrapped to maintain sterility should be stored in a manner to avoid extremes in temperature and moisture. Care must be taken in handling wrapped instruments or instrument cases to prevent damage to the barrier. The user must be aware that maintenance of sterility is event-related and that the probability of occurrence of a contaminating event increases over time and with handling.
CONTACT INFORMATION	DJO Surgical ATTN: Customer Service 9800 Metric Boulevard Austin TX, 78758 USA

1-800-456-8696

The instructions provided above have been validated by DJO Surgical as being capable of preparing a medical device for re-use. It remains the responsibility of the user to ensure that the reprocessing is performed using appropriate equipment and materials, and that personnel in the reprocessing facility have been adequately trained to achieve the desired result. This normally requires validation and routine monitoring of the process.

An electronic version of this IFU can be located at:
<http://djoglobal.com/our-brands/djo-surgical>

Some DJO Surgical products use SurgiBit® technology. The SurgiBit® technology is protected by the following patents: Drill Point protected under U.S. Design Patents D523313 & D523398. U.S. Utility Patents Pending.

	Single use – do not reuse
	Expiration Date
	Keep Dry
	Store in a cool place: Do not store in environments with the potential for extreme heat or direct sunlight
	Lot number/Batch Code
	Sterile
	Sterility symbol: R: Sterile Using Irradiation
	Sterile symbol: H ₂ O ₂ : Sterilized Using Hydrogen Peroxide Gas Plasma
	Non-sterile
	See "Instructions for Use"
	Manufacturer
	Quantity of items in package
	Authorized Representative in European Community
	Catalog Number

R	Federal Law (USA) restricts this device to sale by or on the order of a physician.
	For Cemented Use
	For Uncemented Use