

APPLICATION

The 3080-R Remanufactured Amsco Surgical Table is a mobile, electrohydraulically operated surgical table designed to support general surgical procedures.

DESCRIPTION

All 3080-R table articulations for patients up to 600 lb (272 kg) in weight, normally positioned, can be safely performed with the floor locks LOCKED. Additional Amsco® 3080 SP Surgical Table Accessories Packages further enhance posturing capabilities.

NOTE: When performing surgery requiring a headrest accessory in a REVERSED patient orientation, do not exceed the 500 lb (227 kg) patient weight limit.

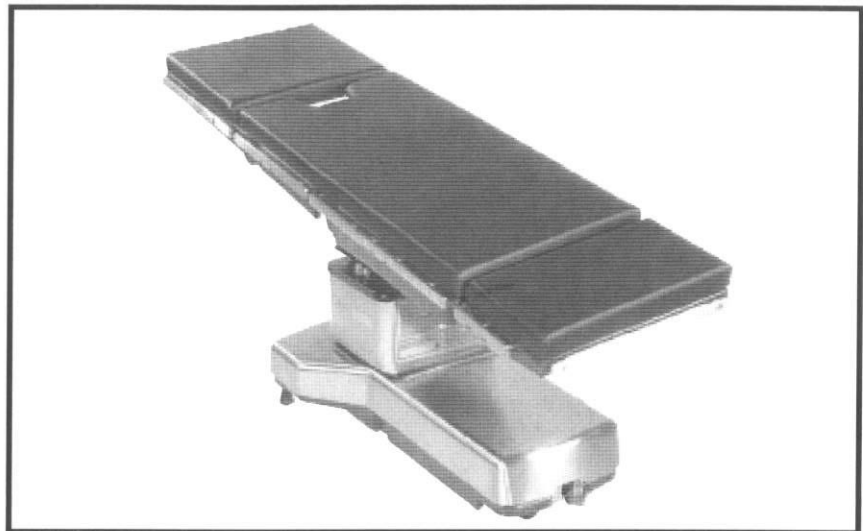
REMANUFACTURED

STERIS remanufacturing process includes (but is not limited to) replacement/repair of the following:

- Column Bearing;
- Main Lift Ram;
- Batteries;
- Feet and Casters;
- New Labels;
- Clean/Touch-Up Paint;
- New Hand Control;
- New Headrest;
- TLT Pad Set.

STANDARDS

The 3080-R Remanufactured Amsco Surgical Table is manufactured to meet the applicable UL/CSA safety standards for electro-medical equipment at the



(Typical only - some details may vary.)

time of the original manufacture and conforms to the original design or any approved changes in that design. This table meets the applicable requirements of the following standards:

- **Class 1 Equipment**
- **Type B Equipment**
- **Suitable for continuous use**

FEATURES

Microprocessor controlled hydraulic system provides tabletop articulation. Tables feature auxiliary override (backup) systems for the control and hydraulic systems.

Control System utilizes microprocessor technology to control the hydraulic pump motor and solenoid valves. The primary control system consists of a "master" and a "slave" computer. The master computer is located on the column and selects which outputs are to be actuated based on inputs from the

hand control, foot control, and table sensors. The slave computer is located in the hand control and provides user inputs (from touch pad switches) to the master computer. It also receives feedback signals and turns on the proper status LEDs. A sealed 24 Vdc battery is used for power backup. A secondary and separate override control system allows operation of basic table functions should the primary microprocessor system become inoperative. The electrical system can be furnished for the factory for 120 Vac, 50/60 Hz operation. Battery-powered auxiliary control switches provide complete override capability during an emergency situation.

Hydraulic System provides the motive force for all powered articulations of the table. A 24 Vdc electric motor drives a 0.25 gallons per minute, 1740 psi capacity pump. Solenoid valves direct fluid to steel hydraulic cylinders. Hydraulic oil pressure is limited by a

The Selections Checked Below Apply To This Equipment

VOLTAGE

120 Vac, 50/60 Hz

PAD CONFIGURATION

2" (51 mm) TLT Pad Set

ACCESSORIES

Refer to M2871EN for details.

Item _____

Location(s) _____

relief valve. All hoses are constructed of flexible thermoplastic and all hose and port connections are sealed with O-rings. Load holding valves are built into all manifold ports feeding each cylinder, except for the side tilt cylinder which has internal load holding valves. A filter is provided to maintain oil cleanliness. A manual foot-operated pump is provided for table operation in case of power failure (solenoid valves would be operated from 24 Vdc battery). For added patient safety, the 3080-R surgical table features a locking side-tilt cylinder design to prevent unanticipated lateral movement. The side-tilt cylinder incorporates a mechanical lock to backup its hydraulic system, eliminating lateral movement until hydraulic pressure is at the desired level.

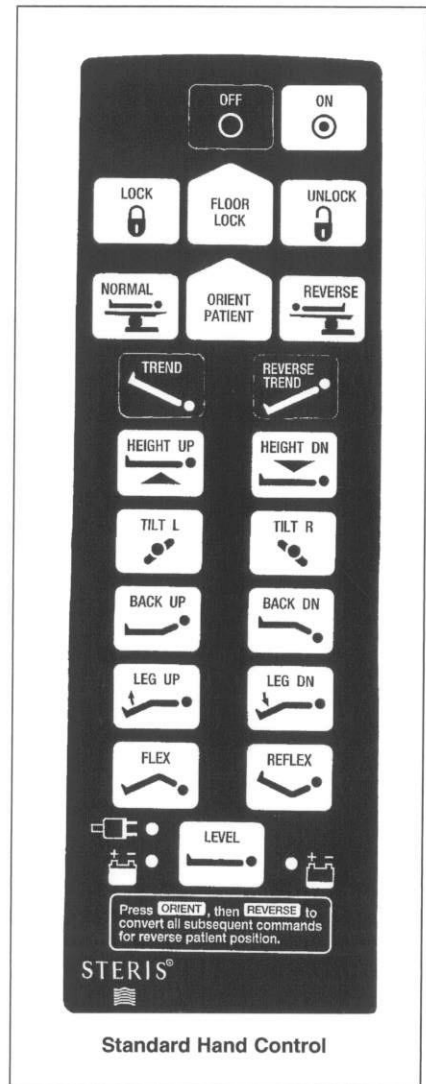
Hand Control is constructed of injection molded black plastic (two-piece, sealed) and is the primary control for table operation. It has a two-foot long coiled cord (15' [4.6 m] long when extended) with molded strain reliefs on each end. Hand control plugs into color-coded receptacle located on the side of control column cap. Membrane touch switches provide input signals to a self-contained PC board to activate all table functions and articulations. LED indicators provide table operation information and control diagnostic signals.

Base is cast iron with textured enamel finish. The top is enclosed by a two-section, welded, stainless-steel cover that also forms a shroud for the lower portion of the column. Four non-conductive swivel casters facilitate easy table relocation and movement. Three floor locks (tripod principle) are self-compensating up to one-fourth inch. Patient grounding post and line power input plug with protective fuses are located at the head end of the base. Manual foot pedal (hydraulic backup), floor lock override rocker switch, and four protective circuit breakers are located on the side of base. Hydraulic pump/motor assembly, power control assembly, and control batteries are located within the base on all 3080-R tables. Motor batteries and motor battery charger are also located within the base.

Column is offset from the center of the base and includes tabletop lift cylinder, support column with bearing-mounted saddle frame, hydraulic plumbing, electrical wiring, and table control microprocessor assembly. These components are fully enclosed by four telescoping stainless-steel shrouds. Each shroud section is of two-piece construction for service accessibility. At the top of the column, one side is equipped with receptacles for the hand and optional foot controls, and the other side is equipped with emergency override control switches. These remanufactured units contain a column bellows which shields user from mechanical interfaces at the top of the column and seals the area for fluid ingress protection.

Superstructure includes a manual gear drive for kidney elevator, and hydraulic lines and cylinders required to articulate the tabletop. The superstructure is bearing-mounted to the column. Tabletop section frames are constructed of cast aluminum and finished with textured paint. Hydraulic positioning mechanisms are located inboard from frame sides to help prevent entanglement of drapes. There are three built-in limit switches to limit excessive movement.

Tabletop is 20" (508 mm) wide and divided into four hinged sections: headrest, back, seat, and leg. All sections are constructed of a radiolucent material, and drilled holes are provided for attachment of optional radiographic top sections. The seat section includes a perineal cutout. All tabletop sections (except the headrest) are electrohydraulically positioned by solenoid-valve-actuated hydraulic cylinders. The headrest section is positioned by a manual, spring-loaded ratchet mechanism. A hook-and-loop fastener tape strip on the longitudinal centerline of the tabletop sections permits instant application and removal of 2" (51 mm) thick mattress pads. Stainless-steel side rails extend the full length of the table (including superior edge of headrest), and are notched to receive optional accessories. Side rails will accommodate certain STERIS designed table accessories (see separate product literature).



Headrest Section is attached to the back section for NORMAL patient orientation, or can be attached to leg section for REVERSE patient orientation. Headrest section can be raised or lowered 0-90° from horizontal and locked in 15° increments. The spring-loaded handle is located under the outer end of section for easy access.

Kidney Elevator is centrally located between the back and seat sections, and is manually raised and lowered with a ratchet that flips up into the stored position when not in use. The ratchet operates a dual rack-and-pinion mechanism through a jointed drive shaft. The kidney elevator is constructed of stainless steel. Maximum height of elevator is 4" (102 mm) above tabletop.

TABLE OPERATION

The 3080-R Surgical Table is primarily operated by the hand control (see illustration). The hand control provides the following:

- Power ON/OFF touch pads with ON indicator LED.
- Power mode/condition indicator LEDs (ac line, battery, and low battery).
- Floor lock function and touch pads.
- Patient orientation function and touch pads.
- Position touch pads.

The tabletop is articulated by pressing the desired position touch pad on the hand control (or optional foot control pedals).

The following pre-operative actions must be completed before positioning touch pads will function:

- Table plugged into an appropriate voltage ac receptacle.
- Batteries properly charged.
- Power turned ON.
- Floor Locks LOCKED.

Adjust tabletop position as follows:

- Confirm patient orientation.
- Press the desired position actuate touch pad on the hand control.
- Release the touch pad when desired position has been reached to automatically stop tabletop and lock it in position.

The range of tabletop nominal movements are as follows:

- **Trendelenburg** – 25° maximum from horizontal.
- **Reverse Trendelenburg** – 25° maximum from horizontal.
- **Height** – 27" (686 mm) minimum to 44" (1118 mm) maximum.
- **Side Tilt** – 18° maximum to right or to left of horizontal.
- **Back** – up 55° maximum (80° in REVERSE orientation) or down 25° maximum (105° in REVERSE orientation) from horizontal.

- **Leg** – up 80° maximum (55° in REVERSE orientation) or down 105° maximum (25° in REVERSE orientation) from seat section.
- **Flex** – back section down 20° maximum with seat section down 25° maximum from horizontal.
- **Reflex** – back section up 25° maximum with seat section up 35° maximum from horizontal.

NOTE: Flex and Reflex position controls are disabled when in REVERSE patient orientation.

- **Return-to-level** – The tabletop can be returned to level by pressing the LEVEL touch pad. The table will move in anatomically correct increments until it reaches level.*

* For patients over 500 lbs (227 kg) in the reversed position with the table in full tilt and full patient-reverse Trendelenburg position, proper operation of the return-to-level function may be inhibited.

Auxiliary Override Systems allow table operation in the event of primary control malfunction. Table control system automatically actuates NORMAL patient orientation and shuts down primary control when override switches are actuated.

- **Electric pump power available** – Articulate table using toggle switches located on control column. Move switches UP or DOWN for desired movement and release when desired position is attained.
- **No electric pump power available** (manual hydraulic pump) – Articulate table using toggle switches located on control column (or hand or optional foot control selectors) in conjunction with manual hydraulic pump. (1) Flip manual pump foot pedal down and move toggle switches UP or DOWN for desired movement. (2) Manually pump foot pedal while holding toggle switch. (3) Stop pumping foot pedal and release switch when desired position is attained.
- **Floor lock overrides** – A floor lock override rocker switch is located under the table base, inward from the ac power connection. If electric

pump power is available, move switch toward edge of base to UNLOCK floor locks or move switch toward center of base to LOCK floor locks. Release switch when floor locks are fully extended or retracted. If no electric pump power is available, move and hold rocker switch in position for desired function while manually pumping (or have assistant pump) foot pedal. Stop pumping foot pedal and release switch when desired function is completed.

PREVENTIVE MAINTENANCE

A global network of skilled service specialists can provide periodic inspections and adjustments to help ensure low-cost peak performance. STERIS representatives can provide information regarding annual maintenance agreements.

ENGINEERING DATA

Approximate Operating Weight: 770 lb (349 kg)

Image Amplification Coverage:

- » Head End – 28" (712 mm) with headrest on (plus 3.0" [76 mm] max. extension of headrest)
- » Foot End – 33" (839 mm) without headrest; 45" (1143 mm) with headrest (no extension permitted)
- » Width – 14.5" (369 mm) average

NOTES

1. Separate ground wire to ground the patient or equalize potential is not furnished by STERIS.
2. **WARNING – EXPLOSION HAZARD:** Table must not be used in the presence of flammable anesthetics.

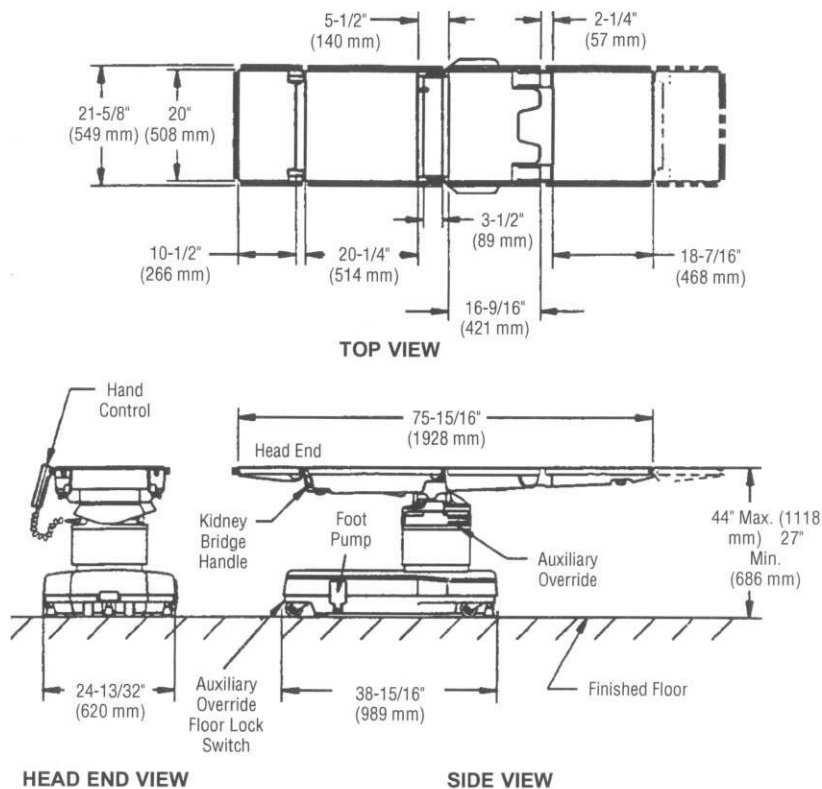
UTILITY REQUIREMENTS

Electricity:

120 V, 50/60 Hz, 4.5 Amp.

**Dimensions shown here are typical, and subject to change without notice.
REFER TO STERIS EQUIPMENT DRAWINGS FOR
COMPLETE AND DETAILED INSTALLATION SPECIFICATIONS.**

Dimensions are inches (mm)



**CUSTOMER IS RESPONSIBLE FOR
COMPLIANCE WITH APPLICABLE
LOCAL AND NATIONAL CODES AND
REGULATIONS.**

**STERIS Corporation,
Montgomery, Alabama is an
ISO 13485 certified facility.**

**The base language of this document is
ENGLISH. Any translations must be
made from the base language document.**

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APPLICATION

This Orthopedic Extension allows the general purpose Cmax and Amsco 3080/3085 SP Surgical Tables to be used for hip and lower extremity procedures such as hip pinning, ender nailing, intramedullary nailing of femur, tibia and fibula surgery. The abductor bars, sacral rest and perineal post carbon fiber construction permits unobscured bone imaging. The low friction carbon fiber surface allows accessory clamps to slide freely with less force and wear on the abductor bars. The abductor bars can be positioned based on the patient's size and condition without sacrificing image quality and provide greater flexibility for C-Arm positioning.

DESCRIPTION

The orthopedic extension provides a flexible and easy-to-use mobile, radiolucent, orthopedic platform for existing Cmax and Amsco 3080/3085 SP surgical tables. The orthopedic extension permits articulated positioning of patient for reconstructive and reparative orthopedic procedures. The extension comes with an accessory cart which enables the user to remove and store the extension and accessories when not in use.

STANDARDS

Where applicable, accessories are designed to meet the Radiation Control for Health and Safety Act.

FEATURES

Abductor bars, attached at foot-end of table, are manufactured from a carbon fiber composite material which permits X-ray transmission and interfacing with image amplification systems. Abductor bars feature two-sectional construction for lower extremity positioning flexibility. Each abductor bar has two rotating metal joints providing planar rotation and enabling bar to be locked in 7-1/2° increments (from 0 to 180°) by easy-to-use actuating handles.

Accessory cart is constructed of stainless steel. Featuring four 360° swivel casters, the cart provides a movable platform to dock, undock and store the carbon fiber extension bars. The cart also features four shelves accommodating storage of a variety of orthopedic accessories.



(Orthopedic Extension Shown Mounted on Cmax Surgical Table)

(Typical only - some details may vary.)

TECHNICAL DATA

Performance Capabilities

The orthopedic extension attached to either a Cmax or Amsco 3080/3085 SP Surgical Table is designed to support up to a 400-pound patient in correct anatomic position for various orthopedic procedures.

Material Specifications

Materials not definitely specified herein are of the best quality and finish as required for the purpose in the industry.

- Mounting bracket is constructed of lightweight aluminum and stainless steel.
- Abductor bars (inner and outer), sacral rest and perineal post feature a carbon fiber design that is resistant to corrosive effects of standard hospital cleaners and disinfectants.

PREVENTIVE MAINTENANCE

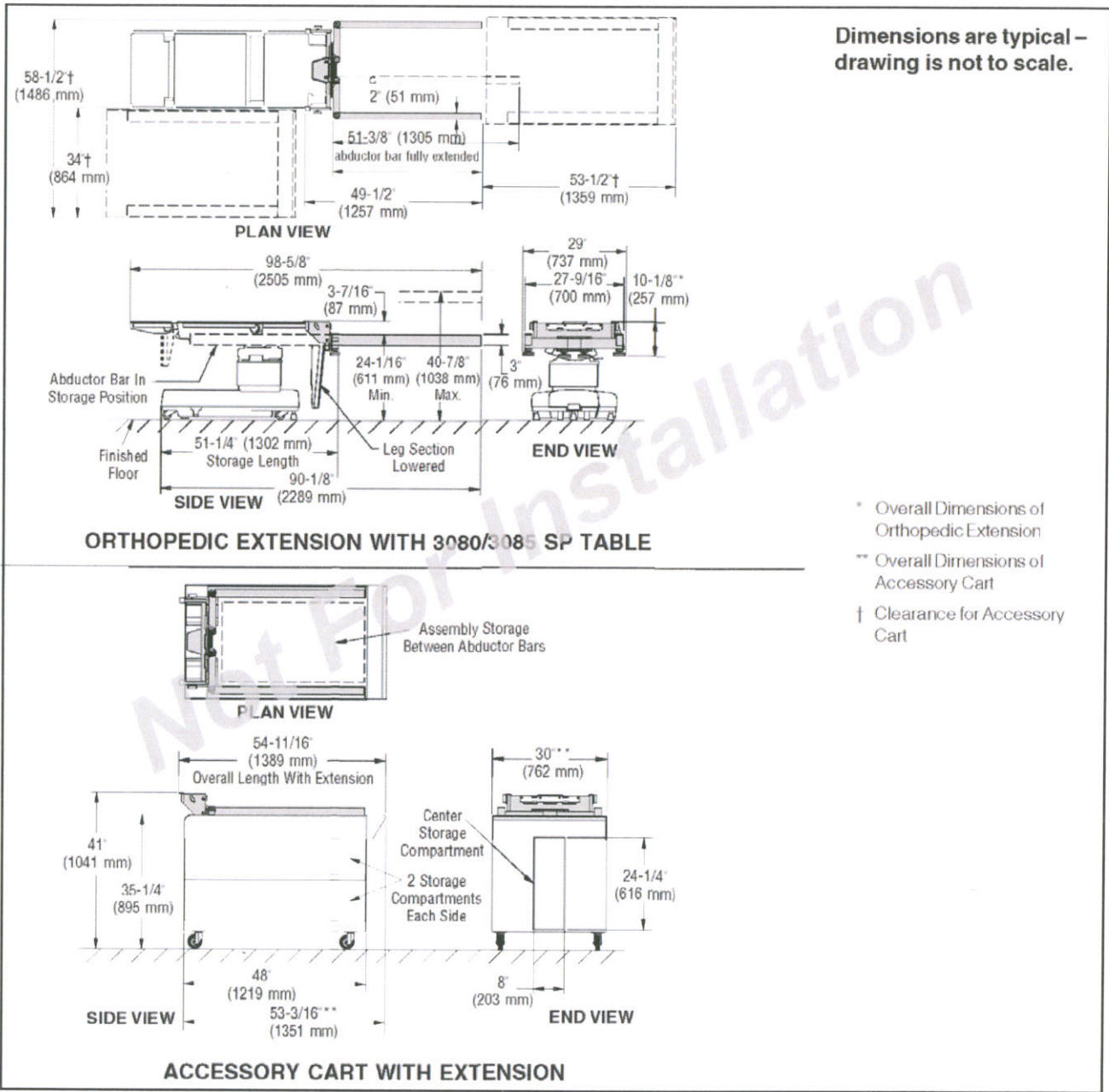
Customers are encouraged to contact STERIS concerning our annual maintenance program. Under the terms of the program, preventive maintenance, adjustments and replacement of worn parts are provided on a scheduled basis to help ensure optimal equipment performance and help minimize untimely or costly schedule interruptions. STERIS maintains a worldwide staff of well-equipped, factory-trained technicians to provide these services, as well as on-site installation, training and expert repair services. Contact STERIS for details.

CUSTOMER IS RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE LOCAL AND NATIONAL CODES AND REGULATIONS.

Item _____

Location(s) _____

Request Equipment Drawings for Installation Details



For Further Information, Please Contact:

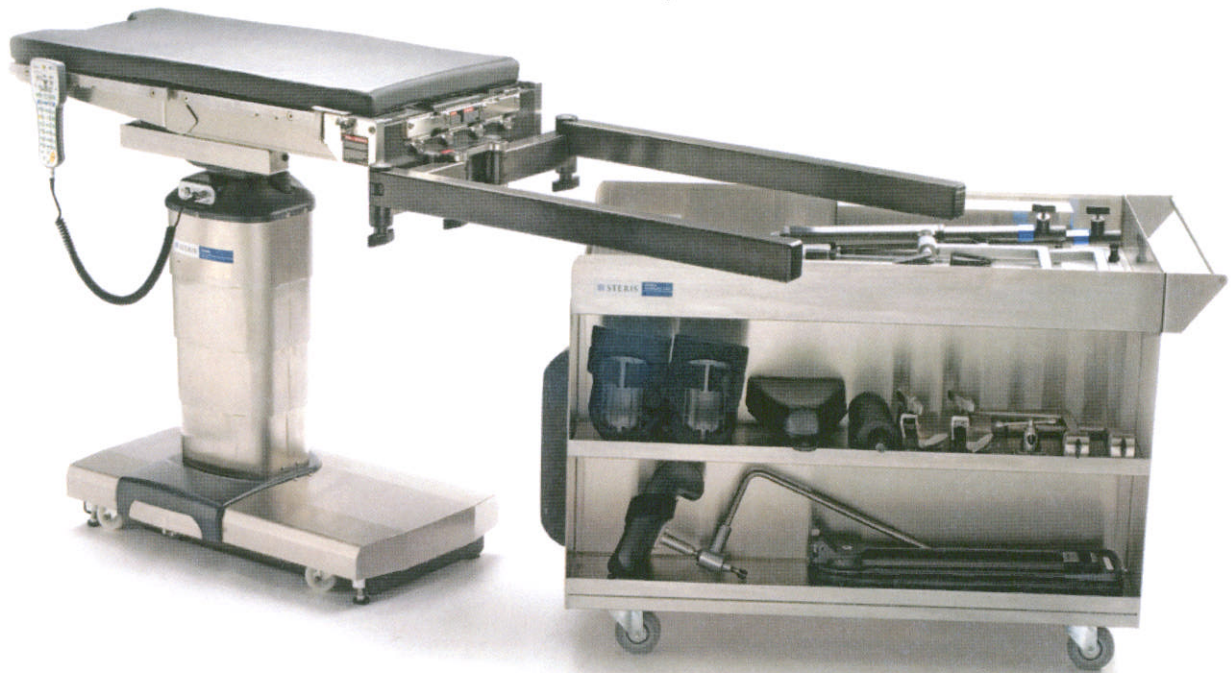


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Gain traction with your general surgical table.

Cmax / 3085 SP / 3080
Orthopedic Extension



As an alternative to a dedicated orthopedic fracture table such as the Amsco[®] OrthoVision[®] Orthopedic Table, STERIS Corporation offers the Orthopedic Extension. This table accessory serves as an ideal solution when current case load may not warrant a dedicated table, when budget restraints are a concern, when considering a supplemental or secondary fracture table, or when the preference is to minimize the shuffle of tables.

Maximize Your Investment in Your General Surgical Tables:

The Orthopedic Extension fits the following STERIS surgical tables: Cmax[™] Surgical Tables, Amsco[®] 3085 SP Surgical Tables and Amsco[®] 3080 Surgical Tables. This mobile accessory can be used throughout your facility to increase the variety of surgical procedures you offer including supine or lateral lower extremity orthopedic procedures requiring skeletal or boot traction (e.g., hip pinning, intramedullary (IM) nailing or tibia/fibula surgery).

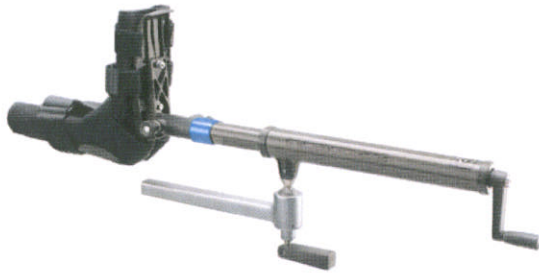
Unobstructed C-arm capability:

The radiolucent carbon fiber abductor bars give you unobstructed imaging capabilities and versatile positioning of the patient's lower extremities according to his/her size and treatment requirements. Each abductor bar has two metal joints that rotate and can be locked in 7.5 degree increments from 0 to 180 degrees.

Ergonomic Attachment and Storage:

The mobile stainless steel accessory cart (above, right) provides ample storage space for your orthopedic accessories and also functions as a convenient platform for docking, undocking and storing the abductor bars. No heavy lifting required.

STERIS[®]



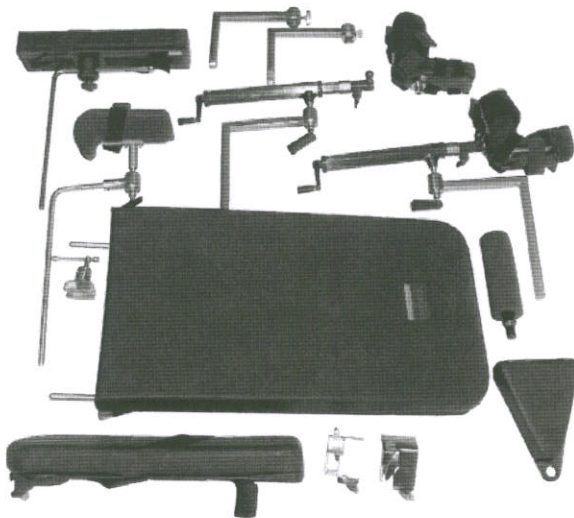
Flexible Positioning:

The Tensor™ Carbon Fiber Traction Unit provides precise, smooth adjustment to the amount of traction being pulled. The gauge on the top surface of the tensiometer gives a visual indication of the tension being applied (up to 60 foot-pounds of torque). The quick-connect style makes it easy to attach a traction boot, a traction bow-block or a skeletal traction block, so you can apply traction in a number of different ways.



Patient Safety:

Patients weighing up to 400 lb. (181 kg) can be postured using the Orthopedic Extension. STERIS offers additional accessories such as larger obese traction boots and the T-shaped sacral rest, which offers greater width than the standard wedge-shaped sacral rest. For smaller patients, we offer a pediatric-sized sacral rest, perineal post and traction boots.



Orthopedic Extension with standard accessory package (BF806)*

- Abductor Bars (not shown)
- Accessory Cart (not shown)
- Wedge-shaped Sacral Rest with pad
- Perineal Post with pad
- Tensor™ Carbon Fiber Traction Unit Assemblies (2)
- L-shaped Traction Extensions (2)
- Traction Boots (adult pair)
- Traction Accessory Clamps (2)
- Anesthesia Armboard with 2" pad
- Multi-Posture Armboard with 2" pad
- Clark Socket
- Universal Legholder
- Patient transfer board with 4" pad
- Orthopedic Extension Set-up Guide (not shown)

* Additional accessory packages (not shown) are available; supplementary accessory package (BF808) and pediatric accessory package (BF809)

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Document # M3108EN.2007-06, Rev. A
GPSI Printed 06/2007, 2500

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