STERIS®

STERIS 4095 GENERAL SURGICAL TABLE

APPLICATION

The STERIS 4095 General Surgical Table is a mobile, electrohydraulically operated surgical table designed to support virtually all general surgical procedures including cardiac and vascular, endoscopic, gynecology, urology, nephrectomy, neurology, ophthalmologic and orthopedics with the addition of STERIS table accessories.

DESCRIPTION

The table provides patient positioning flexibility required for modern surgical care facilities and features powered lateral tilt, Trendelenburg/reverse Trendelenburg, Zip-Slide™ movable tabletop and adjustable height functions.

The unit operates as indicated for the following weight limits:

- **1100 lb (499 kg)** Load, Normal and Reverse Patient Position; raise or lower only (no tabletop articulation or slide).
- **1000 lb (454 kg)** Load, Normal and Reverse Patient Position; raise or lower; includes all tabletop articulation except tabletop slide.
- **600 lb (272 kg)** Load, Normal Patient Position; raise or lower; includes all tabletop articulation and full tabletop slide, (also includes Reverse patient slide toward patient feet but not patient slide toward patient head).
- **575 lb (260 kg)** Load, Normal and Reverse Patient; raise or lower; includes all tabletop articulation and full tabletop slide, including reverse patient slide toward patient feet and toward patient head.

The table is constructed of aluminum alloy, stainless steel and other high quality materials, and is equipped with a large sliding tabletop *providing unrestricted radiological access without patient reversing.*

The STERIS 4095 General Surgical Table is powered by either internal battery or facility electric through use of the INTELLIPOWER® dual power system.

The table accepts positioning commands from three sources:

1. **Universal Hand Control**.
2. Physician-controlled **foot control** (which includes Trendelenburg Tilts, Lateral Tilts, and Height functions).
3. **Backup Hand Control** functions as override to primary Hand Control. Located in table base.



STERIS 4095 General Surgical Table *(Typical - details may vary.)*

Overall size (W x L x H):

22 x 81 x 26 to 45" (547 x 2057 x 675 to 1136 mm).

Weight:

560 lb (254 kg)

Standard table configuration includes:

- Power adjustable height, back, leg, Trendelenburg, Zip-Slide movable tabletop, radiolucent Kidney™ elevator mechanism, flex/reflex and lateral tilt functions.
- Manually operated, removable, dual-articulating head rest
- Pendant Universal Hand Control
- Mobile base with hydraulically operated, self-leveling floor locks
- Up to three weeks operation (100-150 procedures) on internal battery power without recharging

STANDARDS

STERIS 4095 tables are in compliance with the following standards, as certified by Intertek, unless otherwise noted:

- **AAMI ES60601-1:2005 +A1,** Medical Electrical Equipment - Part 1: General Requirements For Basic Safety And Essential Performance
- **CSA C22.2#60601-1:2014 Ed. 3,** Medical Electrical Equipment - Part 1: General Requirements For Basic Safety And Essential Performance
- **IEC 60601 1-6:2010 Ed.3 +A1,** Medical Electrical Equipment - Part 1-6: General Requirements For Basic Safety And Central Performance - Collateral Standard: Usability
- **IEC 60601-2-46:2016,** Medical Electrical Equipment - Part 2-46: Particular Requirements For The Basic Safety And Essential Performance Of Operating Tables
- **Type B Equipment**
- **IPX-4** (Fluid Ingress Protection), as certified by ETL.

NOTE: Suitable for intermittent operation, three minutes per hour.

Selections Checked Below Apply To This Equipment

PAD CONFIGUTRATION
- ❑ Latex-Free Pads (Standard)

ACCESSORY PACKAGES
- ❑ Standard Accessory Package
- ❑ X-Ray Top

OPTIONS
- ❑ Foot Control
- ❑ Beach Chair*

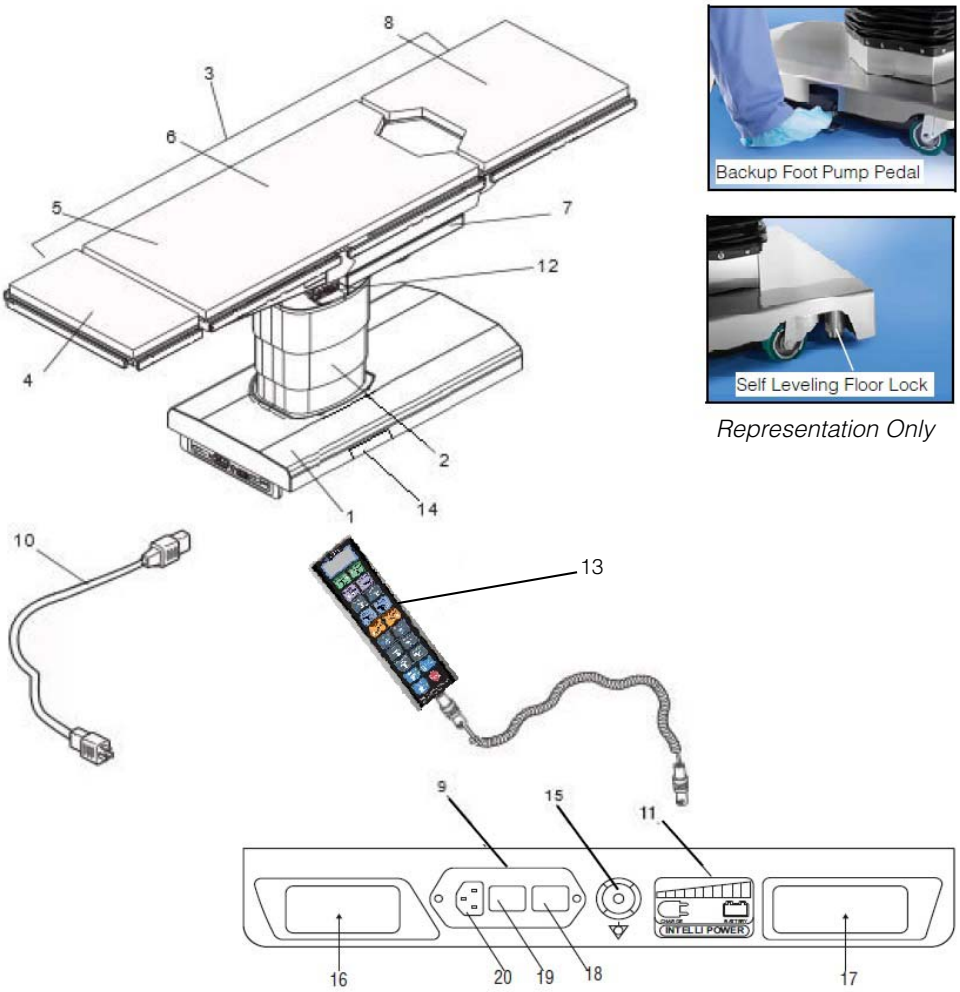
Item _____

Location(s)_____

_____

*Contact STERIS for available Beach Chair options.

Drawing is not to scale.



Representation Only

KEY:

1	Table Base	11	INTELLIPOWER Display
2	Column	12	Connection Panel
3	Tabletop	13	Universal Hand Control
4	Head Section (Dual-Articulating Head Rest)	14	Auxiliary Control System
5	Back Section	15	Ground Equalization Terminal (Male Connection)
6	Kidney Elevator Mechanism	16	Service Label
7	Seat Section (Sliding)	17	Service Bar Code Label
8	Leg section	18	Primary Fuses
9	Power Panel	19	Main Power Switch
10	Power Cord	20	AC Receptacle

STERIS 4095 General Surgical Table Components (Typical)

FEATURES

Motorized tabletop is constructed of five-sections (including the motorized fully radiolucent Kidney Elevator Mechanism) and is 81" (2057 mm) long. Motorized Zip-Slide movable tabletop eliminates the need for patient reorientation and preconfiguration of the table. Unobstructed imaging length of 68" (1725 mm) and 100% C-Arm access without table movement is available. For attaching accessories, tabletop sections include non-obstructing stainless-steel side rails on both sides.

Tabletop fasteners (Hook-and-loop strips or mushroom-type) permit instant application and removal of 2" (51 mm) thick, latex-free mattress pad. The radiolucent tabletop sections enable viewing of the entire anatomy. The easily attached X-Ray top design enables cassettes to be loaded from the head, foot or either side, for a full range of exposure angles.

Column supports tabletop and includes lift cylinder, bearings, hydraulic piping, hydraulic actuators for Trendelenburg, electrical wiring and master computer. These components are enclosed by four telescoping plastic or optional stainless-steel column shrouds. The shrouds are of two-piece construction for service accessibility. Hand Control and optional Foot Control connect at top of column.

Base structure is painted welded steel. The base cover is a two-section, plastic or optional stainless-steel enclosure. Four large diameter swivel casters, located inside the base cover, facilitate table movement. Four mechanical, hydraulically operated, floor-locks are used to prevent unintended movement. The power supply assembly and floor lock actuators are also within the base. Table power cord is plugged into a receptacle centered on the base head-end cover.

Auxiliary Control System (hand control and foot pump pedal) is located in the base, beneath a cover plate (see illustration on page 5).

Dual-Articulating Head Rest



Dual-Articulating Head Rest

The table features a dual-articulating head rest that offers:

- manually-adjusted tilt articulation (+90°/-90°) of the entire head rest
- cylinder-actuated, height up articulation of the head board
- two control handles, one for tilt and one for height, located conveniently on the underside of the head rest
- easy installation and removal
- includes three flush side rails for accommodating accessories.

CPU-controlled hydraulic actuators initiate all powered table motions except for Zip-Slide movable tabletop, which is powered by an electric motor. The CPU, located in the table column, actuates hydraulics as determined by commands from the Universal Hand Control and/or optional foot control. Table articulations can also be made with a Backup Hand Control located in the table base.

Electrical System (input electrical power) is fed by a detachable three-wire grounded power cord into an isolation transformer.

Incoming ac power is reduced and rectified to obtain 24 Vdc, which powers the fuse-protected operating system.

The Hand Control (an auxiliary CPU) and optional foot control consist of switches that open or close to signal the computer (located in the table column). The Hand Control includes feedback LEDs.

If ac supply power fails, the battery system powers the table. The battery system is activated by ensuring the Main Power Switch on the front of the table base is ON and depressing any button on the Hand Control. Activation of the Battery System permits the table to be articulated as necessary for approximately three weeks (without facility ac power) or between 100 and 150 procedures.

Note: The batteries continuously charge, as long as the table is supplied with the appropriate ac voltage and the Main Power Switch is in the ON position.

Universal Hand Control is ergonomically designed, and is the primary interface for table operation. It is constructed of one-piece thermoformed plastic that holds and seals the illuminated keypad. Hand Control is equipped with a 12' (3.7m) long cord (3' [0.9m] when coiled) that plugs into a receptacle located at the top of the column. Membrane touch switches provide, through an auxiliary CPU, input signals to activate table functions and articulations. LED indicators and LCD Display validate table positioning, eliminating the need to lift sterile drape to confirm position).



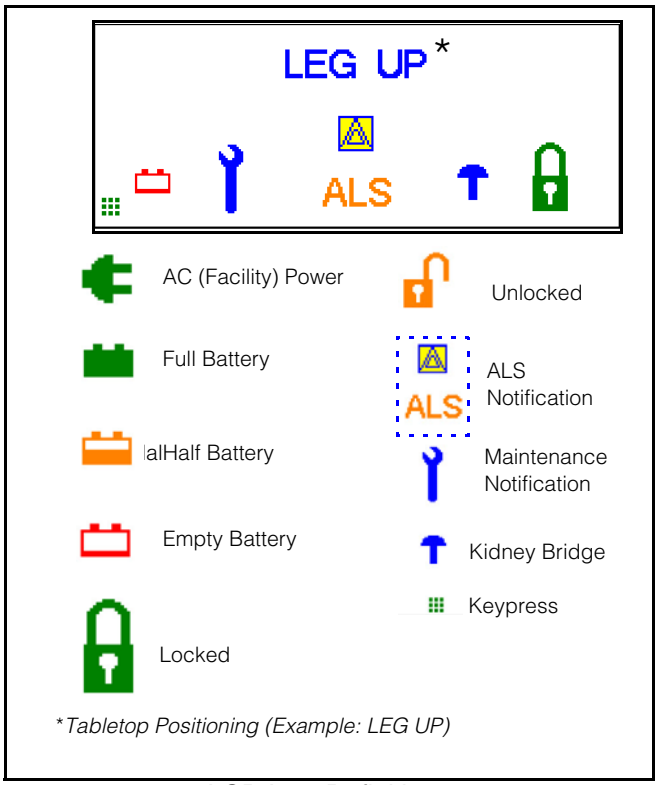
Universal Hand Control

Hand Control Touch Pads for:

- SLIDE HEAD/FOOT
- HEIGHT UP/DN
- BACK UP/DN
- LEG UP/DN
- TREND/REVERSE TREND
- TILT LEFT/RIGHT
- FLEX/REFLEX
- KIDNEY UP/DN
- LEVEL
- FLOOR LOCK (Lock / Unlock)
- STOP

LEDs for indicating:

- FLOOR LOCK
- NORMAL and REVERSE Patient Orientation
- LEVEL



LCD Icon Definitions

Backup (Override) Control System can be actuated at any time and allows table operation in the event of primary control or power malfunction. The controls are located beneath a cover plate and stored in a convenient drawer (see illustration). A pedal (foot pump to provide hydraulic power) and Backup Hand Control (see illustration) comprise this system. Included functions on Override Hand Control are: SLIDE HEAD/FOOT, BACK UP/DN, LEG UP/DN, TREND/REVERSE TREND, HEIGHT UP/DN, TILT LEFT/RIGHT, KIDNEY UP/DN, FLOOR LOCK/ UNLOCK and STOP switch.

FLOOR UNLOCK and SLIDE functions do not require foot pump actuation. A green LED on the Backup Hand Control indicates the system is active.

TABLE OPERATION

Press the desired position touch pad on the pendant hand control or use the optional foot control to articulate the tabletop (refer to Operator Manual).

The following pre-operative actions must be completed before the table can be used:

- **Power activation:** Use battery power or plug the table power cord into both table base and facility ac power receptacle. Toggle Main Power Switch to ON for facility power.
- **Turn table on:** Press any button on the hand control to turn table ON. Hand control remains powered for 10 hours from last button press.
- **Lock table:** Press and hold the FLOOR LOCK button on the Hand Control for one second to order the floor locks into the “locked” position.



Backup (Override) Hand Control

Auto Limit Sensor™ (ALS) control device (using Intelligent Limit Sensors) provides instant user feedback on conflicting tabletop articulations and how to resolve the conflict when the table is positioned in standard configuration.

TABLE MOTION

Ranges of table motion are as follows and are illustrated on page 7.

- Flex/Reflex: 140°/100° ±2°
- Slide Motion: HEAD: 9 ± 0.5" (227±13 mm)
  FOOT: 9 ± 0.5" (227±13 mm)
- Height Range: 26 to 45± 0.5" (675 to 1136±13 mm)
- Trendelenburg Range: 30°±2°
- Reverse Trendelenburg Range: 30°±2°
- Tilt Range: 20°±2°
- Back Section Motion: UP: 80°±2°
  DOWN: 40°±2°
- Leg Section Motion: UP: 0°
  DOWN: 105°±2°
- Kidney Elevator Mechanism: 4 ± 0.5" (110±13 mm)

PREVENTIVE MAINTENANCE

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

NOTES

1. Latex-free pads are standard for the STERIS 4095 table.
2. Table accessories have specific weight claims/capacities. Accessories may reduce table patient weight capacity. Refer to specific accessory Operator Manual or contact STERIS for details.
3. A patient grounding post/potential equalization terminal (male connector, DIN 42801) is provided with the table. The female connector for patient grounding is not furnished by STERIS.

UTILITY REQUIREMENTS

Power Source:

Battery/Electric-Powered Table

Line Power Input:

100/120/220/230-240 V ac (Jumper Selectable),
1 Ø, 50/60 Hz, 4 Amp

Environmental Conditions:

Temperature: 32-122°F (0-50°C)

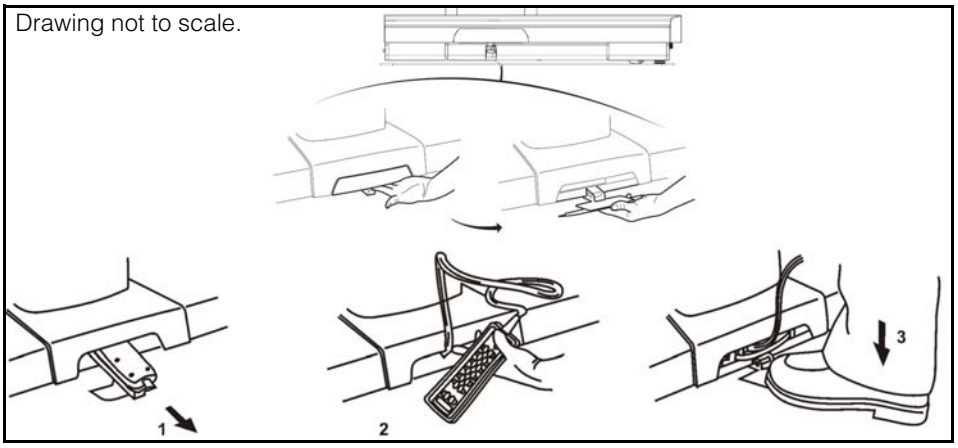
Relative Humidity (RH): 20-80%

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

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

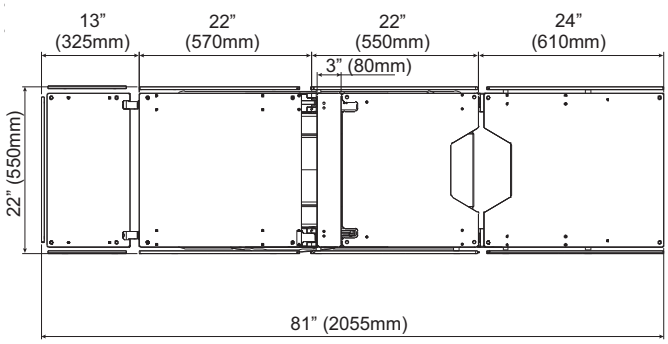
WARNING – EXPLOSION HAZARD:
Table must not be used in the presence of flammable anesthetics.

Drawing not to scale.



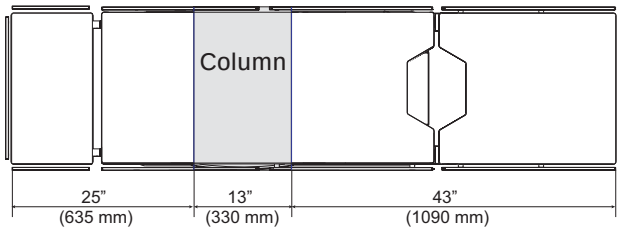
Auxiliary Control System

Dimensions are inches (mm). Society of Automotive Engineers (SAE) measurements are approximate based on metric dimensions. Dimensions are typical; drawing is not to scale.



Tabletop Dimensions

Tabletop fully transitioned toward head end, normal patient orientation.



Tabletop fully transitioned toward foot end, normal patient orientation.

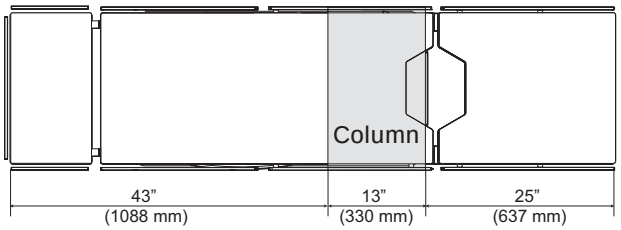
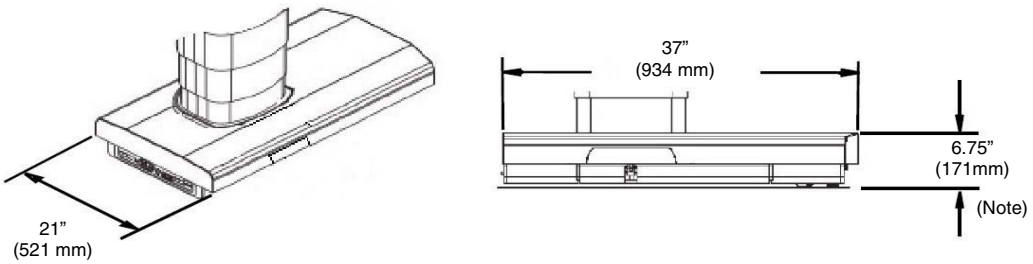


Image Amplification Coverage (Typical)

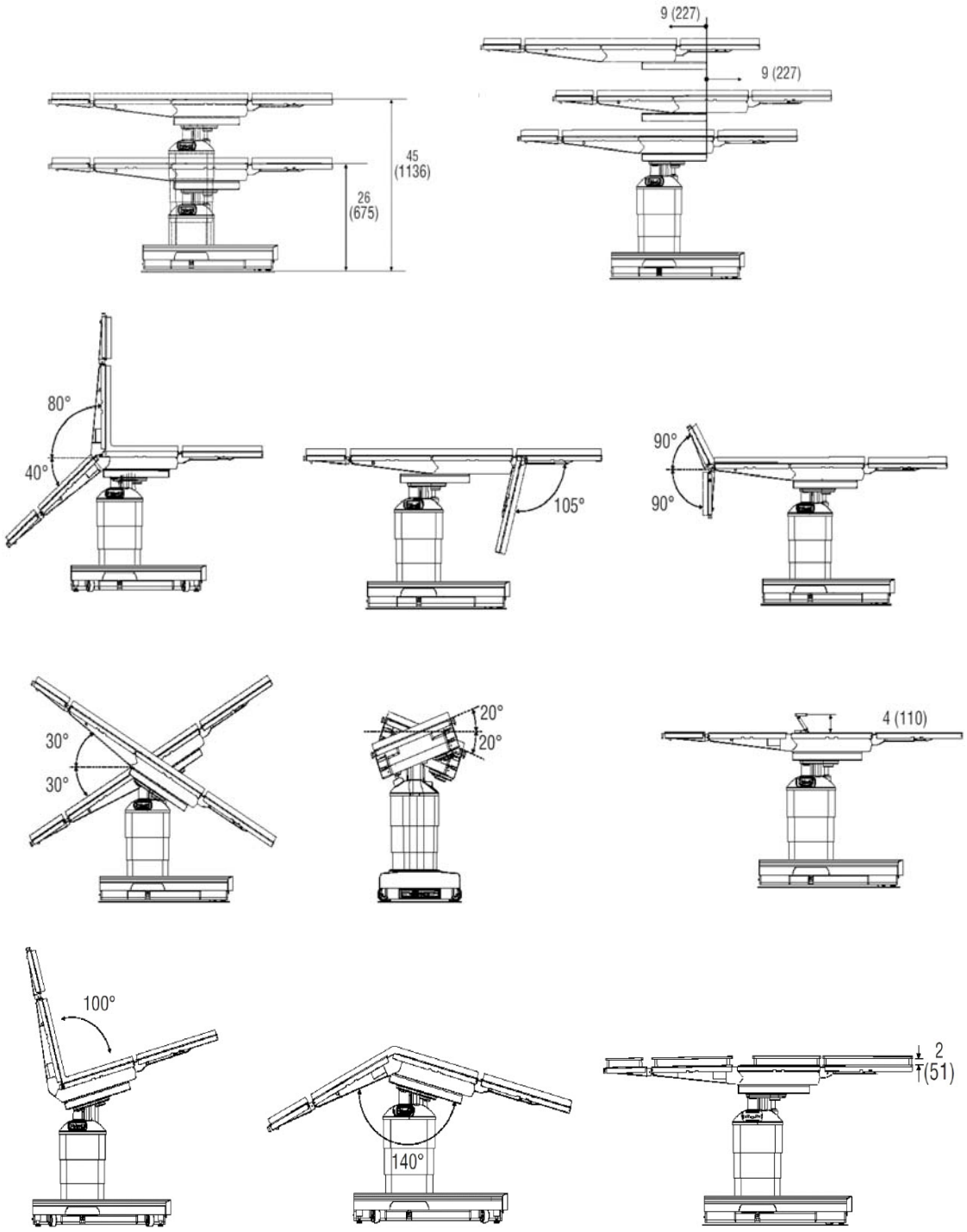


Note: Indicated base height is with floor locks engaged. When disengaged height is 6.5" (165mm)

SAE measurements are approximate based on metric dimensions.

Table Base Dimensions

Dimensions are typical - drawing is not to scale.

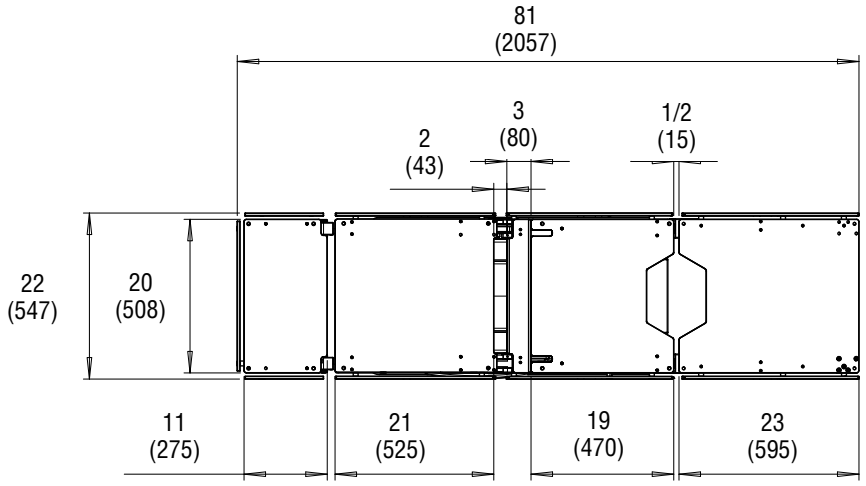


Dimensions are inches (mm). SAE measurements are approximate based on metric dimensions.
Linear dimensions are ± 0.5" (±13 mm).
Angular dimensions are ±2°.

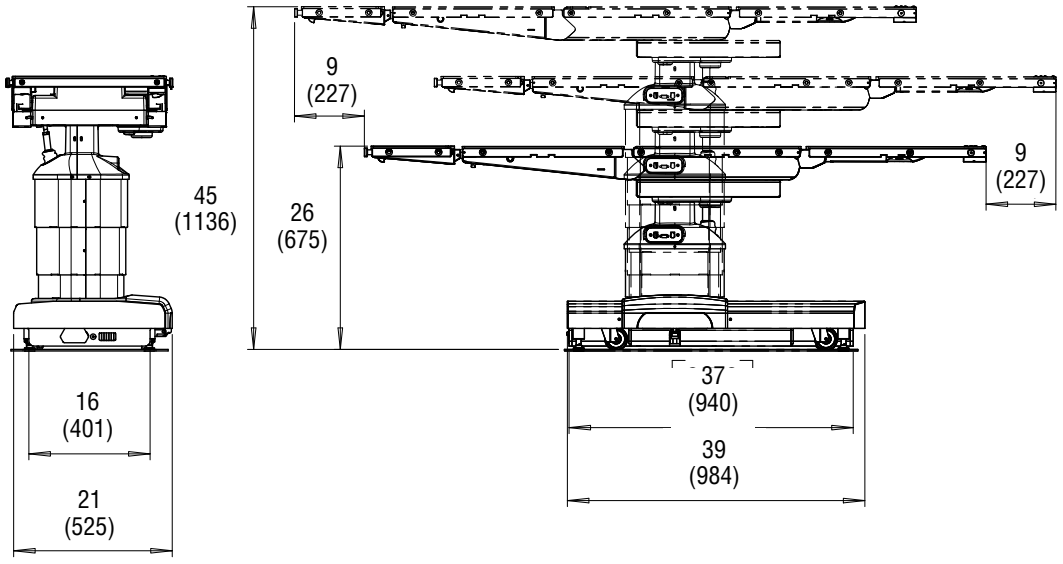
STERIS 4095 General Table Range Of Motion (Typical)

Reference equipment drawing 056404-450 for installation details	
Equip. Dwg. No.	**Equipment Drawing Title**
056404-450	STERIS 4095 General Surgical Table

Dimensions are typical - drawing is not to scale. This drawing is for general reference only and <u>IS NOT</u> to be used as a substitute for the current released version of equipment drawing 056404-450.



Dimensions are inches (mm). SAE measurements are approximate based on metric dimensions.
Linear dimensions are ± 0.5" (±13 mm).
Angular dimensions are ±2°.



WARNING – EXPLOSION HAZARD: Table must not be used in the presence of flammable anesthetics.

For Further Information, contact:

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