

**AMSCO**

AN EMPLOYEE OWNED COMPANY

APPLICATION

These Tables provide flexible articulated posturing of the surgical patient, assuring maximum operative convenience.

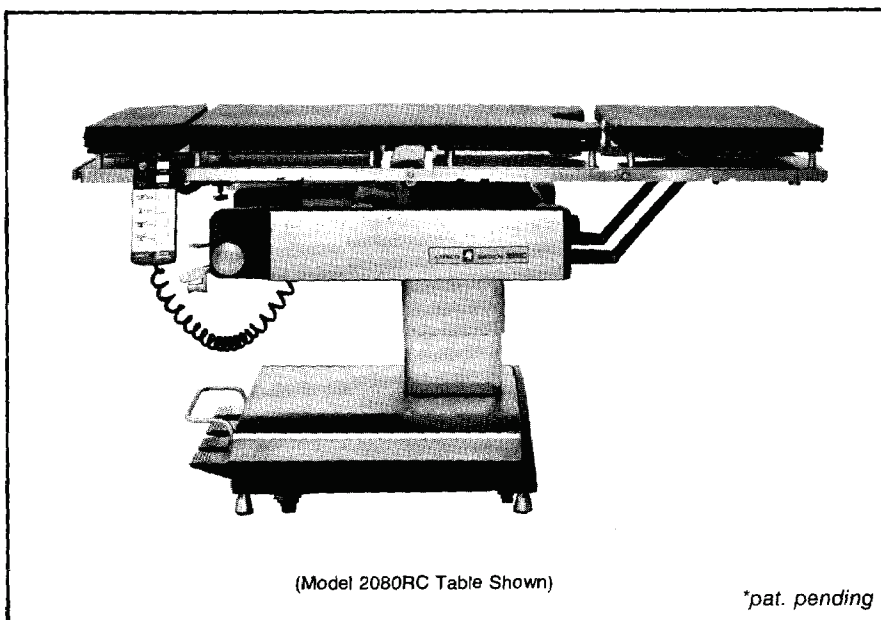
DESIGN AND CONSTRUCTION

General. Both the 2080L and 2080RC tables comply with the *Radiation Control for Health and Safety Act* of October 18, 1968. They are also certified by Canadian Standards Association to CSA Standard C22.2, No. 125 — 1979 — Electromedical Equipment. They are electro-hydraulically operated for easy positioning. The 2080RC offers, in addition to its lever-operated control system, "Touch Command" ... for precise positioning of the table from outside the surgical field.

NOTE: The 2080L conforms with requirements set forth in *National Fire Protection Association's Pamphlet 56A*. It is also listed by Underwriters Laboratories as being safe for use in Class I, Group C hazardous locations, including the requirements of UL Standard 544.

Base is cast iron with textured-enamel finish. The top is enclosed by a welded, stainless-steel cover that also forms a shroud for the lower portion of the pedestal. A swivel caster and height-adjustable floor lock at each corner of the base are actuated by a single pedal. Both are electrically conductive, conforming with applicable requirements of NFPA's publication *Flammable Anesthetics Code*. The base provides comfortable toe space on both sides as well as space to freely insert a flat-blade Mayo stand. A NFPA-approved patient grounding

2080 SERIES* Major Surgical Tables • 2080L • 2080RC		TECH DATA
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(Model 2080RC Table Shown)

*pat. pending

Typical only — some details may vary.

receptacle is provided at foot-end of base.

Hydraulic System is also contained within the base assembly. The electro-hydraulic pump and motor assembly forms a straight-line sealed unit; the motor includes overload protection. An auxiliary pump provides manual operation in event of electrical power failure, without sacrificing table-positioning flexibility.

Pedestal includes tabletop lift cylinder, support column with bearing-mounted saddle frame, hydraulic piping, and electrical wiring (2080RC only). These are fully enclosed by stainless-steel telescoping shrouds.

**THE SELECTIONS CHECKED BELOW
APPLY TO THIS EQUIPMENT**

Model

- ☐ 2080RC
☐ 2080L

Options

- ☐ Table with 2" (51mm) thick Pad
☐ Table with Radiographic Top and 1" (25mm) thick Pad
☐ Table with Radiographic Top and 2" (51mm) thick Pad
☐ Accessories (see separate product literature)

Item No. _____

Location(s) _____

Each shroud is one-piece construction to ensure against foreign matter entering the elevating mechanism.

Superstructure includes gears, motors and other devices required to position and articulate the tabletop. The frame is cast aluminum finished with textured-enamel paint. The superstructure is bearing-mounted to the elevating mechanism and power-assisted to handle heavy loads with ease. Indicators show degree of lateral tilt and Trendelenburg.

Positioning mechanism is fully enclosed by stainless-steel covers to prevent entrapment of drapes. Power-assisted movements are quick, smooth and precise. There's built-in safety to prevent accidental movement.

Tabletop. The 20-inch (508-mm) wide tabletop (see page 4) is divided into four hinged sections: head, back, seat, and foot. Each section is cast aluminum (back, seat and foot sections are covered by stainless-steel veneer). Drilled holes are included for the optional radiographic top. Stainless-steel side rails, notched to receive optional accessories, extend the full length (also the superior edge of head rest on the 2080RC). Mounting hardware and a full complement of optional accessories are available ... see separate product literature.

The foot and back sections are safely supported by two hinged, steel lever arms.

The tabletop is bearing-mounted to the superstructure at the seat section. The seat and foot sections include a perineal cutout for full access to the patient and to accommodate the optional transurethral drain tray. The tabletop (with exception of the head section) is electro-hydraulically positioned by gear-actuated lever linkage. The head section is secured by a manual, spring-loaded, ratchet mechanism. The head section may also be removed and positioned longitudinally to extend table length by as much as 6 inches (152mm), or it may be attached to the foot section for procedures requiring extended foot support. A Velcro® (Velcro Corporation) tape strip on the longitudinal centerline of the head, back and foot sections permits instant application and removal of mattress pads ... no

An independently operated kidney elevator is centrally located between the back and seat sections. The elevator is raised and lowered by a crank and dual rack and pinion mechanism, operating in conjunction with the gearing and jointed drive shaft. The kidney elevator is cast aluminum covered by stainless-steel veneer.

Optional Radiographic Top is constructed of permeable phenolic and is electrically conductive. It mounts on full width and length of tabletop. The radiographic top complies with the *Radiation Control for Health and Safety Act* of October 18, 1968. A 14x17 inch (356x432mm) radiographic cassette can be inserted from head- or foot-end; 12x14 inch (305x356mm) radiographic cassette, from side, head-end or foot-end. (Radiographic cassettes are not furnished by AMSCO.)

OPERATING CONTROLS

Control actuators and selectors requiring operator attention are at the head-end of the table, easily accessible to the anesthetist.

Foot Pedals feature low-profile design ... do not obstruct the surgeons' approach. They include:

- **LOCK** — to engage either the casters or locks with the floor.
- **LOWER** — to lower the tabletop.
- **RAISE** — to raise the tabletop.
- **POWER** — to (1) energize the hydraulic pump, (2) serve as a safety device to avoid accidental movement of the tabletop, and (3) allow manual pumping of the hydraulic system should electric power fail.

Tabletop Positioning Controls are mounted at a convenient height on the superstructure ... arranged for simple, accurate actuation. After setting the selector for the desired movement, the tabletop is positioned by operating the **POWER** pedal and control actuator. Actuators return to neutral upon release. Selections include:

- **TRENDELENBURG** — to lower or raise the head-end of the superstructure from horizontal,

burg (head up). Control is on the side of head end.

- **BACK** — to lower or raise the back section.
- **SIDE** — to laterally tilt the superstructure to the right or left.
- **FOOT** — to lower or raise the foot section.
- **FLEX** — to simultaneously position the back and seat sections so as to achieve inverted "V" (flex) or "V" (reflex) position.

REMOTE CONTROL (2080RC ONLY)

The Remote Control Unit is held ... outside of the surgical field. It controls the raising, lowering and positioning of the tabletop electrohydraulically as previously described. The control is connected to the table by a coiled rubber cord approximately 4 feet (1219mm) long. The control is lightweight and, when not in use, can be hung anywhere along table side and head rails. Six clearly indicated rocker switches are double-acting and neutralizing ... this means fingertip operation. Unmistakable power push buttons must be energized simultaneously with selector switches thus providing dual safety control. Power indicating light signals when table is energized.

ACCESSORIES

See separate product literature.

MATERIAL SPECIFICATIONS

General. Materials not defined herein are of the best quality routinely employed for the purpose in the industry. They have been selected to help enhance the safety, serviceability and appearance of the finished product.

Finish. Exposed stainless steel (conforming with ASTM Specification A 167), aluminum and chrome-plated surfaces are polished. Cast iron and carbon-steel exterior surfaces are degreased, phosphatized and coated with corrosion-resistant primer followed by two spray coats.

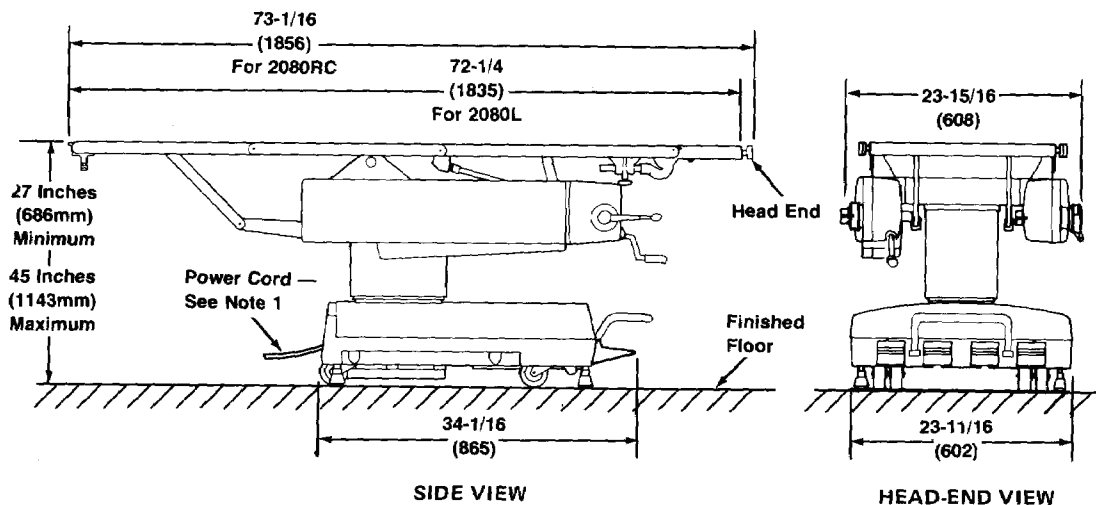
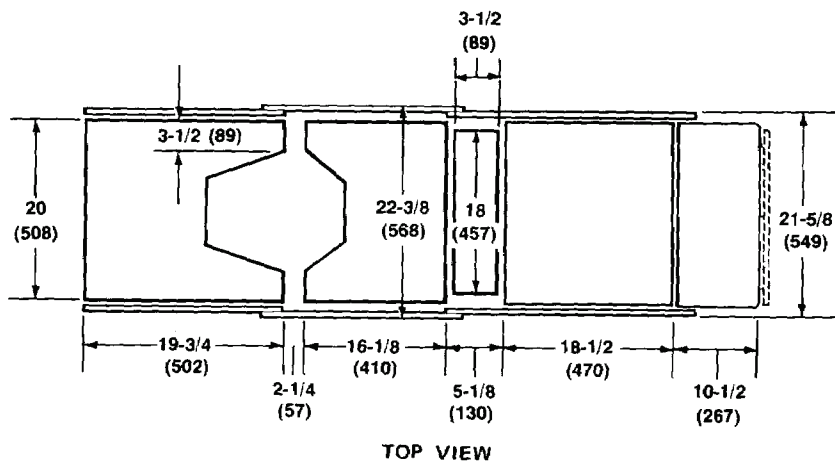
PERFORMANCE CAPABILITIES

When operated with a 300-pound (136-kg) load distributed as follows: 25 lbs (11.4 kg) on the head section, 100 lbs (45.4 kg) on back section, 140 lbs (63.6 kg) on seat section and 35 lbs (15.9 kg) on foot section; the table shall be positioned as follows without perceptible binding or jerking, and without settling after the positions are obtained.

Table Component	Position Starting With Superstructure Horizontal	Range
Top and Superstructure	Raise — Lower	To any point within 27 to 45 inches (686 to 1143mm) above the floor.
	Trendelenburg (head down)	0 to 20°
	Reverse Trendelenburg (head up)	0 to 20°
	Tilt to Right	0 to 10°
	Tilt to Left	0 to 10°
Head Section	Raise (from horizontal)	0 to 90°
	Lower (from horizontal)	0 to 90°
Back Section	Raise	0 to 90°
	Lower	0 to 10°
	*Flex	0 to 15°
	*Reflex	0 to 10°
Seat Section	*Flex	0 to 20°
	*Reflex	0 to 15°
Foot Section	Lower (with Seat Section horizontal)	0 to 105
Kidney Elevator	Raise (from tabletop level)	approx. 4½ inches (114mm)

*Flex and Reflex positioning involves simultaneous movement of Back, Seat and Foot sections.

IMPORTANT: AMSCO table products are designed to safely support and position a 300-pound patient with body weight appropriately distributed to attain standard surgical positions typical of those shown in AMSCO literature. This same design criteria is applied to AMSCO accessories used with tables of our manufacture.



DIMENSIONS ARE INCHES (MILLIMETERS) — DRAWING IS NOT TO SCALE

NOTES:

1. Provide 120-volt, 60-Hz, 10-amp electric service. Approximately 15-foot (4572-mm) long, No. 16, 3-conductor cord with Hubbell hospital-grade plug is provided on 2080RC (THIS TABLE IS NOT TO BE USED IN THE PRESENCE OF FLAMMABLE ANESTHETICS).

An explosionproof plug approved for use by Underwriters Laboratories in Class I Group C locations must be attached to 2080L by customer.

2. Approximate weight — 820 lbs (372 kg).
3. Male connector to ground patient is not furnished by AMSCO.