

# SHANK'S® DORSAL/LATERAL CYLINDER BASE EQUINE SURGERY TABLE

## TECHNICAL INFORMATION

### General Information

The Shank's® Dorsal/Lateral Cylinder Base Equine Table was first built in 1988 and was specifically designed for the equine surgeon to provide 4-way tilt capability, and more versatile animal support via the table's separate hinged dorsal wings. The Dorsal/Lateral Cylinder Base Table is on casters and completely mobile within a clinic environment. It has a self-contained hydraulic system and merely requires a drop cord for access to power. Together with all available extensions, the table can be adapted to easily allow for surgery in either dorsal or lateral recumbency. The Dorsal/Lateral Cylinder Base Table when fully lowered is 22½" high.

### Main Frame

The main frame is made of structural steel. The padded top has a total lateral surface area of 46" x 84". The center bed of the table top is 18" wide by 84" long. The corner hinged wings are 12" wide by 18" long and the center hinged wings are 12" wide by 36" long. Both center wings are removable. The top is padded with one layer of 1-1/2" Ensolite® and one layer of 18 oz. vinyl coated nylon fabric. The padded surface is adhered to a wood support that is fastened to the steel frame of the respective wing. This concept makes it relatively easy and inexpensive to replace any damaged wing. The four corner dorsal wings are hinged on a rod bar and can slide up against the center wing or can slide to provide the full 84" of support. All wings have five different tilt positions via a manual prop bar.

The metal frame of the table is coated with a hot dip galvanize coating. This coating is a process whereby the metal components are dipped into molten zinc at approximately 850°F. This results in a formation of a zinc and zinc-iron alloy coating which is metallurgically bonded to the steel. Galvanized coatings are recommended for their corrosion resistance more than for their appearance. Visually, the coating may have a matte gray appearance which is duller than a typical bright finish. Testing shows that hot dip galvanized steel has an average of 10 years of protection to 5% rust. The galvanized coating is then painted with an acrylic enamel topcoat for additional protection.

The table comes with the following standard equipment: one adjustable padded flat extension, four leg tie poles with tie loops, one leverage bar, and one square tubing offset bracket which allows the offset placement of the flat extension on one of the four corner wings. Optional extensions are described below.

### Hydraulic System

The hydraulic system for the Cylinder Base Model consists of a 1 HP, 1½ gallon reservoir self-contained power unit complete with a 6-bank control valve that operates on either 110V/60 cycle or 220V/50 cycle electric current. The table is operated via eight cylinders. Four way tilt is gained via manipulation of the four bottom/outside cylinders individually or in combinations. The four top/inside cylinders raise the table top off of the base and run in pairs.

The table is rated for 2,500 lbs.

### Operation

For support in lateral recumbency, the 22" x 26" flat extension is used to support the head, and the optional 8" x 16" small flat extension would support the extended leg, if necessary. For support in dorsal recumbency, set of four leg tie poles and the optional v-shaped adjustable head extension are used. Other extensions are available for use in colic surgery, arthroscopic surgery, etc. Hand adjusted thumbscrews secure all extensions into the square ports located on all sides of the surgery table top. Thumbscrews also secure the adjustable portions of the extensions with separate movable parts.

## Optional Accessories

Below is the name and accompanying description of all optional accessories:

**V-shaped adjustable head extension with removable sides-** This head support extension has removable 9" x 14" side pieces to allow for access to an animal's eyes or ears. If both side panels are removed, the remaining 12" x 26" center piece can also be used as an additional flat extension. The entire extension is adjustable at varying angles or can be flat/flush with the table surface.

**Stainless steel intestinal tray-** This 19" x 31½" tray is completely stainless steel with the bottom tubing support bracket being structural steel. The extension is adjustable up and down and the tubing piece that slides into the port on the side of the table top and holds the base of the tray has two different spacer rings. These rings allow the tray to be placed at two different distances from the table top to accommodate different size animals. Another common use of this tray is as an instrument tray.

**Free standing base for stainless steel intestinal tray -** This is a free standing mobile base on wheels that can be used to support the Stainless Steel intestinal tray separate from the surgery table.

**Lateral arthroscopic leg bracket-** This telescoping extension has a padded "U" cup for support of the animal's leg during lateral arthroscopic surgery. The extension adjusts up and down and swings a full 180 degrees.

**Pair of dorsal arthroscopic leg brackets-** These small extensions are designed for placement on the leg tie poles to be used for support of the animal's leg/hoooves in dorsal recumbency. The extensions have several adjustment positions.

**8" x 16" flat extension-** This small flat extension can be used in conjunction with any extension on the table as additional support. A common use for it is extended support of an animal's leg during lateral recumbency.

**12" x 20" flat extension-** This flat extension can be used in conjunction with any extension on the table as additional support. A common use for it is extended support of an animal's leg during lateral recumbency.

**SS IV Bag Pole -** This Stainless Steel extension has two hooks on the top for hanging an IV bag. It is adjustable in height and will fit into any square port located on the table top.

**Round tubing cross pipe with double loops-** This extra pipe is designed to be affixed to two of the leg tie poles and run horizontally over top of the table top. The pipe can be moved to any height on the leg poles. A common use would be additional pole for tie off of the feet. The pipe comes with the necessary double loops to fasten it to the leg tie poles.

**Pair of dorsal padded props -** These padded props attach to the leg poles and can move up and down the leg pole, to allow for additional support and stabilization to the front shoulders of the animal when in dorsal recumbency.

**Removable steps -** These removable platforms provide elevated access to the animal during surgery. The steps are easily removable for storage.

**D/L extension storage cart-** This movable cart has been designed to hold all extensions while not in use to minimize wear and tear, and to make it easier to move all extensions into and out of the surgery room. The cart comes with four swivel casters and a handle.