

VERTEBRATE SPECIMEN CASES  
(Model VAC)

OUTSIDE DIMENSIONS: 42-9/16" high, 27-1/4" wide, 43-3/4" deep.

Case Construction: Case unit is to be composed of an outer case; inner framework and an inner shell onto which tray angles are spot welded.

Steel Thickness: Framework and inner shell give the necessary rigidity and strength to the case. The entire assembly is to be spot welded and gas welded together. Rivets and screws to be used only where shown on print. Case top and bottom are to be constructed from not less than 18 gauge steel, flanged downward on all four (4) sides and inward at the front and is to be spot welded to the case sides and back. Case uprights are to be constructed from not less than 18 gauge steel with the front edge formed into a channel section and the rear edge flanged the full height.

Top and bottom edges are to be offset to the 18 gauge thickness of the top and bottom plates. Back shall be constructed of 20 gauge steel and spot welded to case uprights. All four (4) corners of the top and bottom plates are to have wrap-around corners.

Case interior framework is to be constructed as specified below:

Front channel uprights will be not less than 16 gauge steel and the center and back box channels not less than 16 gauge steel. Top and bottom front channel is to be constructed from one piece of 16 gauge steel. Center and back box channels are to be made from 16 gauge steel. Top and bottom channels are arc-welded to side upright channels for rigidity.

Inner shell is to be constructed from 18 gauge steel; each side of inner shell to have 19 tray U-channels spot-welded on 2" centers, allowing 1" adjustment of trays. Inner shell is to be pop riveted to the interior skeleton channels. Back inner shell to be constructed of 20 gauge steel flanged on all four (4) sides.

Side inner shell flanges to be pop riveted to inner shell back. Top and bottom inner shell are to be constructed from 20 gauge steel flanged on all four (4) sides. Side inner shell to be pop riveted to inner top and bottom shell.

The door opening is sealed with a continuous air filled silicone gasket that is held in place mechanically (no adhesives). This gasket system was developed for the National Park Service and is used on all Steel Fixture cases furnished to that agency. It is tops for long term, air-tight, dust-tight, light-proof protection combined with proven resistance to fumigants and commonly used chemicals. If damaged, the gasket can be replaced with ordinary hand tools.

Door to be made from 14 gauge. 5052-H32 M.F. Aluminum. There shall be a 3/4" flange on the top and two sides with 1/2" inward flange. Locking channel shall be applied by pop rivet at the bottom of aluminum door. Door to be equipped with two (2) friction type, nickel-plated, steel sash locks.

**Trim:**

Label holder shall be made from 24 gauge. furniture steel. Door catches to be made from steel; finish to be nickel-plated. Locks, when specified, are chrome plated, National Lock Co. #Special 68-494.

**Material:**

All material used shall be the best adapted to the construction for which it is employed. Steel throughout is to be the best steel, cold rolled, full pickled, double annealed, stretcher leveled or equivalent, and free from scale. It shall be of that grade known as "furniture steel". All gauges to be U.S. Standard, or heavier decimal gauges.

Trays - Shall be 20 gauge, 24" wide x 41" deep x 1-5/8" high; finish and construction to match above cabinets.

**FINISH:**

All corners are rounded; exposed edges shall be deburred.

All materials in the cases are power washed, phosphatized, sealed and rinsed. Surfaces are finished with non-reactive solvent-free powder coating which is electrostatically applied and baked to a hard finish.

It has no off-gassing of formaldehyde and organic acid as compared to the solvent base paints.

We feel this is the best metal preparation and finish that can be provided.

**GUARANTEE:**

Defects in design, materials or workmanship that occur within seven (7) years of completion shall be remedied by the manufacturer at no expense to the owner.