

STANDARD DUTY STORAGE CASE SPECIFICATIONS

MODEL SS4824V

Technical Data Sheet

◆ Dimensions	SS4824V Case Outside Dimensions: 48" Wide X 24" Deep X 84" High
◆ Sides	Outer Case - Sides shall be 20 gauge cold rolled steel full height; front edge formed into a full height channel frame 1" wide with a 1-1/4" reinforcing flange.
◆ Back	Back - Shall be 20 gauge cold rolled steel; shall be full height of cabinet; one piece, with two edges formed with a 7/8" flange. Back shall be spot welded to all sides, top, bottom and uprights at 8" intervals.
◆ Top	Top - Shall be 20 gauge cold rolled steel; one piece with rear and side edge formed with a 1" flange. The front edge shall form into a full width channel frame 1" wide face with a 1-5/16" reinforcing flange ; reinforcement channel shall be welded to the inside of top, running full width. Top shall be spot welded to sides and back.
◆ Bottom Plate	Bottom Plate - Shall be 20 gauge cold rolled steel, one piece. The front edge shall form into a full width channel frame 2-5/8" wide face with 1-1/4" reinforcing flange; a Base Shelf rests on top creating a reinforcement for the inside of bottom plate, running full width. Bottom plate shall be spot welded to sides and back.
◆ Front Edge	Case Front interior framework to be constructed of one piece of not less than 18 gauge steel formed into a channel shape for door strike. Interior front framework consisting of top plate interior frame work of 16 gauge, upright interior frame work, and bottom frame of 16 gauge; all comprising each door strike, shall be fusion welded at all four (4) corners for rigidity and air tight integrity.
◆ Doors	Doors - Are to be constructed of not less than 18 gauge steel. Each edge of the doors are formed into a channel shape and the four (4) corners are to be fusion welded. Doors shall have a hat channel not less than 4-1/4" wide, spot welded on the interior, centered and extending the full vertical length of each door. Each door has two (1) stiffeners; sealing edge at the front to give the doors extra strength for sealing integrity. The right hand door overlaps the left hand door for its sealing integrity, thus the doors cannot be operated independently. Door windows are manufactured with tempered, low E, ultraviolet, safety glass that is shatter proof and has a thickness of 3/16".
◆ Gasket	Each 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 the best 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.
◆ Hinges	Hinges - Are to be not less that 18 gauge steel with five (5) knuckles. Three (3) hinges are spot welded to each door and side into a prefabricated slot giving the hinge a "clean", concealed look.
◆ Hardware	Hardware - The door shall be fitted with a chrome plated steel handles, with a paracentric keyed lock contained therein. Locking device is to be of a two (2) point type - locking at top and bottom of the case in such a manner as to not impair the air tight integrity of the case, which comes standard. All locking protrusions shall be of a wedge shape, to draw the door tighter against the gasket as the device is closed. <i>"D"-Ring handles shall be standard and the "L" Type handles are brushed chrome and are available upon request.</i>
◆ Filter Vents	Filter Vents: One (1) filter vent, shall be built in each door upon request.

◆ <i>Interior</i>	Inner Framework: Front channels that make up the door frames shall be 20 gauge cold rolled steel. These are spot welded around the front of the case, then wire welded - thus giving the case necessary rigidity and strength.
◆ <i>Shelves</i>	Each shelf is constructed of no less than 20 gauge with a 20 gauge reinforcement box channel centered underneath the bottom shelf, running the full horizontal span of the case. Each shelf is adjustable in 2 inch increments, and is held in place with a shelf hanger constructed of no less than 16 gauge steel, which captures the shelf when it is lowered into place. The adjustability method is now an improved interlocking keyhole and shoulder pin system. Each cabinet comes standard with (5) shelves, thus making (6) usable storage spaces, each set at approximately 12" each, standard.
◆ <i>Drawers</i>	Drawers can be provided as a specialty item for the standard duty units. Each drawer to be mounted on a full extension linear suspension. These have proven sufficient for lighter duty applications and have a smooth action comparable to the more expensive brands. Drawers can be extended once doors have been opened to at least 90°, thus usable when a unit is against a wall.
◆ <i>Accessories</i>	Units can be equipped with a top shelf with a hanger rod for hanging garments. This shelf is to be constructed of 20 gauge supported with flanged sides and (3) 20 gauge channels to support and capture the hanger rod. The hanger rod is to be of 1.250 diameter X 0.049 thick T-304 Stainless Steel with a 180 grit finish.
◆ <i>Material</i>	Material: All material used shall be the best adapted to the construction for which it is employed. Steel through-out is to be the best steel, cold rolled, full pickled, double annealed, stretcher leveled or equivalent, and free from scale. It shall be of the grade known as "furniture steel". All gauges to be U.S. Standard, or heavier decimal gauges.
◆ <i>Finish</i>	All corners rounded, exposed edges shall be deburred. All materials in the case 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.
◆ <i>Guarantee</i>	Defects in design, materials or workmanship that occur within seven (7) years of completion date shall be remedied by the manufacturer at no expense to the owner.

Steel Fixture's STORAGE LINE Products



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