

ENTOMOLOGY SPECIMEN CASE

MODEL EC

Technical Data Sheet

◆ Dimensions	EB Case Size: 43-3/16" Wide X 23-1/16" Deep X 29-7/16" 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 1-1/8" reinforcing flange.
◆ Back	Back - Shall be 20 gauge cold rolled steel; shall be full height of cabinet; one piece, with all edges formed with a 1" flange. Back shall be spot welded to all sides, top, bottom at 8" intervals.
◆ Top	Top - Shall be 18 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 1-3/32" 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. The front edge shall form into a full width channel frame 15/16" wide face with 1-3/32" reinforcing flange; reinforcement channel shall be welded to 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 16 gauge steel formed into a channel shape for door strike. Interior front framework consisting of top plate interior frame work, upright interior frame work, and bottom plate channel 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 20 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 5-3/4" wide, spot welded on the interior and extending the full vertical length of each door. Each door has two (2) stiffeners; one (1) at the front and one (1) located 2" back from the handle to give the doors extra strength for sealing. The doors do not depend on overlapping for sealing integrity but instead can be operated independently of each other.
◆ 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 than 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 - Each door shall be fitted with a chrome plated steel handle, with a 5 tumbler, 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. A locking point at the center can be added upon request, making a three (3) point locking system. 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>
◆ Label Holders	Label Holders - 4 -15/16" wide X 3 - 9/16" tall shall be located in upper portion of each door.

♦ <i>Interior</i>	<p>Inner Framework - Front channels that make up the door frames shall be 16 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.</p> <p>Drawer Glide Section - Is comprised of a front channel and a back channel with drawer angles. All shall be made of 16 gauge material spot welded together to make ladder sections to hold the drawers - a total of 16 vertical spaces for 16 Drawers.</p>
♦ <i>Material</i>	<p>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.</p>
♦ <i>Finish</i>	<p>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.</p>
♦ <i>Guarantee</i>	<p>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.</p>

Steel Fixture's MUSEUM LINE Products



SINCE 1907

THE STEEL FIXTURE MANUFACTURING COMPANY

612 S.E. 7th St.
Topeka, KS. 66607-1109

www.steelfixture.com
sales@steelfixture.com

785-233-8911

800-342-9180

Fax: 785-233-8477