

# GEOLOGY SPECIMEN CASE SPECIFICATIONS

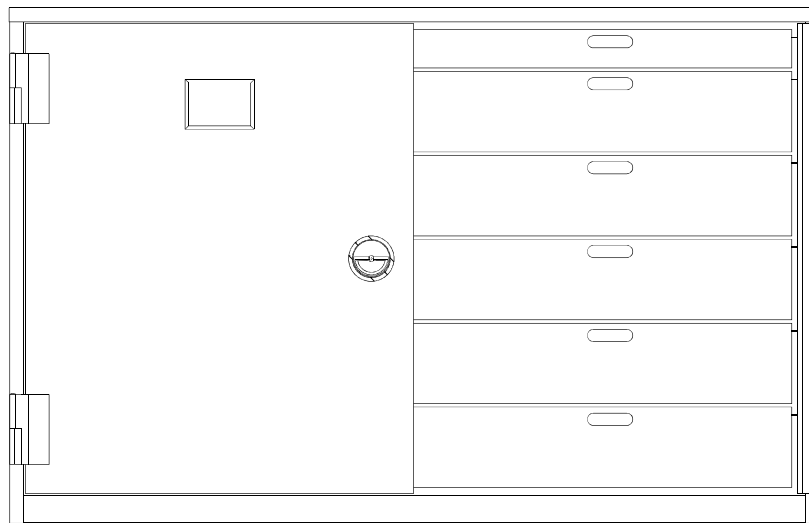
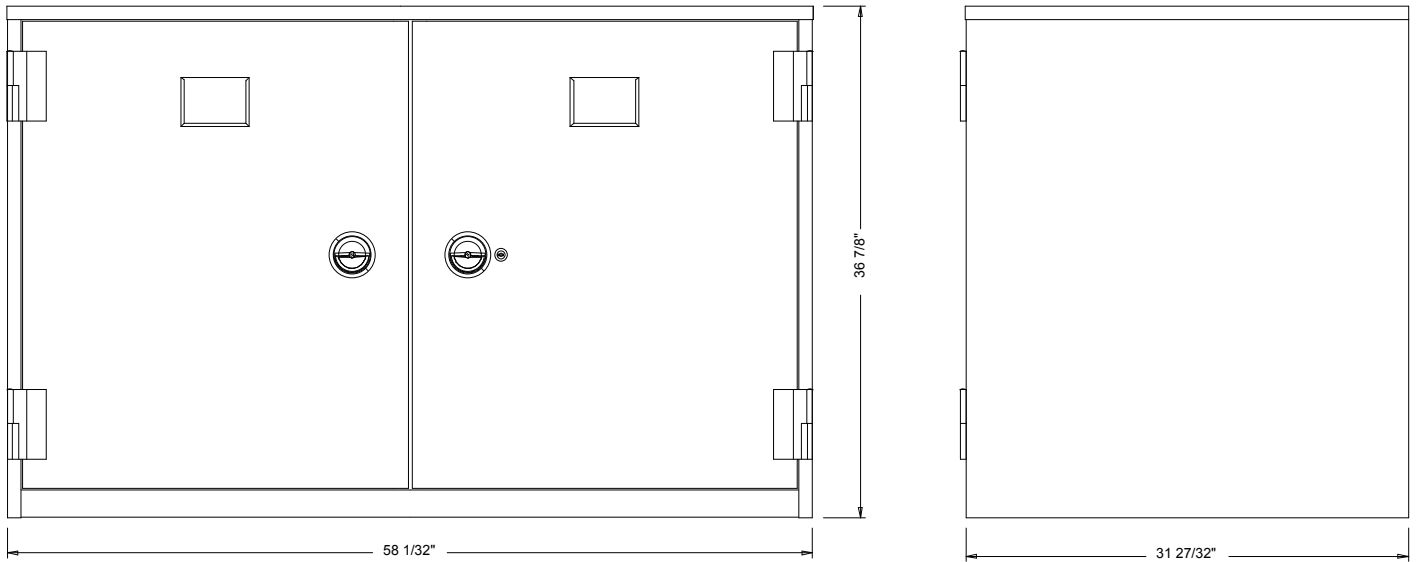
## MODEL GLCX

*Technical Data Sheet*

<b>◆ Dimensions</b>	GLCX Case Size: 58" Wide X 32" Deep X 36-7/8" High. If a different size is needed, please advise us the required measurements, so we can assist.
<b>◆ Adaptability</b>	<p>Any of the following accessories can be installed in the GLCX case easily and without tools. Vertical adjustments are in one inch (1") increments.</p> <ol style="list-style-type: none"> <li>1. Drawers*, full width -             <ol style="list-style-type: none"> <li>a. box, 1-3/4" high (2" spacing)</li> <li>b. box, 2-3/4" high (3" spacing)</li> <li>c. box, 3-3/4" high (4" spacing)</li> <li>d. roll storage rack, 3-3/4" high (4" spacing)</li> <li>e. roll storage rack, 5-3/4" high (6" spacing)</li> </ol> </li> <li>2. Drawers*, half width -             <ol style="list-style-type: none"> <li>a. box, 1-3/4" high (2" spacing)</li> <li>b. box, 2-3/4" high (3" spacing)</li> <li>c. box, 3-3/4" high (4" spacing)</li> <li>d. tray insert, 7/8" high, divides interior height of drawer into two levels to reduce stacking of delicate items and increase effective storage space.</li> </ol> <p>*1. All drawers have flush handles and label holders to increase effective storage volume and improve appearance. Sliding surfaces are enclosed so the drawer can be handled outside the case without soiling hands or work surfaces.</p> <p>*2. GLCX system drawers are not interchangeable with the Model GL or GL-C Trays.</p> <p>*3. DRAWERS WITH SUSPENSION: Drawers can have full progressive extension suspension double steel ball bearing; leveler glide; welded back stops, positive lock out. They are interchangeable and can be easily removed.</p> </li> <li>3. Shelves -             <ol style="list-style-type: none"> <li>a. full width</li> <li>b. full width heavy duty</li> <li>c. full width with hanger rod</li> <li>d. half width</li> <li>e. half width with hanger rod</li> </ol> </li> <li>4. Center dividers (to support half width accessories) -             <ol style="list-style-type: none"> <li>a. full height</li> </ol> </li> </ol>
<b>◆ Construction</b>	Outer case - Sides shall be 20 gauge cold rolled steel full height; one piece with rear and bottom edges formed into a single 7/8" flange; front edge formed into a full height channel frame 1" wide with a 1-7/16" reinforcing flange.
<b>◆ Back</b>	Back - Shall be 20 gauge cold rolled steel; shall be full height of cabinet, one piece, with bottom edge formed with a 7/8" flange. Back shall be spot welded to top, bottom and both sides at 8" intervals.
<b>◆ Top</b>	Top - Shall be 18 gauge cold rolled steel; one piece with rear and side edge formed with 1" flange. The front edge shall form into a full width channel frame 1" wide face with a 1 7/16" reinforcing flange. Reinforcement width shall be welded to the inside top running full width. Top shall be spot welded at 8" intervals.

◆ <b>Base</b>	Base - Shall be 20 gauge cold rolled steel; flush type spot welded to bottom formation of sides and back. Front of base shall be formed into a continuous channel 2" tall. A reinforcement channel at 16 gauge shall be welded immediately back of the front base formation.
◆ <b>Inside</b>	The GLCX has a fusion welded 16 gauge door frame to increase the strength and rigidity of the case at the door opening.
◆ <b>Front Edge</b>	Front Edge - Shall interlock with the front edge of the outer case sides and rear edges, and welded to same.
◆ <b>Rear Edge</b>	Rear Edge - Of interior side panel shall be formed into an angle which shall be welded to the side of the cabinet.
◆ <b>Hinges</b>	Hinges - Shall be 16 gauge "slip type" and spot welded to the outer door pan and cabinet front frame, permitting easy removal of the door when swung open to 45 degrees. Overall hinge side shall be 3" x 5", with not less than 1 1/2" pin engagement in each leaf. Two (2) hinges per door.
◆ <b>Lock</b>	Locking Mechanism - Shall consist of two (2) vertically beveled steel channels, tapered top and bottom for easy engagement into slots provided in outer case frame, operated by heavy duty flush handles. A paracentric keyed lock is standard.
◆ <b>Label Holder</b>	Label Holder - 3-9/16" x 4-15/16" shall be located in the upper portion of each door.
◆ <b>Handles</b>	Flush "D" ring handles are standard, "L" handles are optional.
◆ <b>Doors</b>	Door - Shall be 20 gauge and assembled from the following components, spot welded at 8" intervals. Door shall be gas welded on corners. <ol style="list-style-type: none"> <li>Door outer pan shall be full height with all edges formed inward 1" with 13/32" channel flange.</li> <li>"Saddle" type reinforcement 5" wide, running full height from top to bottom shall be spot welded to interior.</li> </ol>
◆ <b>Hardware</b>	Each door is supported with heavy duty lift-off hinges and closed tightly with beveled steel channels engaging latch plates at the head and sill. The channels are operated by flush, heavy duty D-ring handles. These handles are more durable and safer than "old style" handles because they do not project, and their large size provides a more powerful closing action for gasket compression. The right hand door handle engages the left hand door to compress the astragal gasket as well as having a keyed paracentric lock which effectively locks both doors. The flush handles will also conserve valuable space if the cases should ever be placed on mobile platforms for high-density compact storage.
◆ <b>Gasket</b>	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-tight protection combined with proven resistance to fumigants and commonly used chemicals. If damaged, the gasket can be replaced with ordinary hand tools.
◆ <b>Options</b>	<ol style="list-style-type: none"> <li>The case size can be altered to meet your requirements.</li> <li>Fumigant valves can be installed in doors for placing liquid or gaseous fumigants inside the case without opening doors.</li> <li>Filtered ventilation openings can be provided in the doors.</li> <li>Drawers can be equipped with stops to prevent inadvertent removal (and dropping).</li> <li>Drawers can be equipped with Ball Bearing Suspensions.</li> <li>A Caster Base for easier moving about.</li> <li>A Sanitary Base to make cleaning easier.</li> </ol>
◆ <b>Finish</b>	<p>All corners are rounded; exposed edges shall be deburred.</p> <p>All materials in the cases are power washed, phosphatized, and seal rinsed. Surfaces are finished with non-reactive solvent-free powder coating which is electrostatically applied and baked to a hard finish.</p> <p>It has no off-gassing of formaldehyde and organic acid as compared to the solvent base paints.</p> <p>We feel this is the best metal preparation and finish that can be provided.</p>
◆ <b>Guarantee</b>	Defects in design, materials or workmanship that occur within seven (7) years following the completion date shall be remedied by the manufacturer at no expense to the owner.

# Model GLCX



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