

# INSTALLATION GUIDE IG# 522

## HC44 HEAVY DUTY HINGE INSTALLATION AND MAINTENANCE INSTRUCTIONS

### INSTALLATION INSTRUCTIONS:

1. Before hanging the door, install the pivot hinges to the frame and door top and bottom, with the hinge pin on the door side pointing down.
2. Lift the door using the panels factory prepped lifting lugs, and slowly lower the door hinge pins into the receiving frame hinge.
3. The door is now hung on the pivot units only. Do not separate the pivot hinges connection at this point.
4. With the door in the closed position, install the cam fit hinge between the pivot hinges. Install the frame side first followed by the pin and door side.
5. Grease all hinges (Shell Gadus S3 V220C recommended).
6. Adjust the set-screw on the cam lift hinge and lock in position with the included hex-nut.
7. Cycle door to test installation fitment and operable function.



TYPICAL INSTALLATION  
RHR Door with LH Hinges

Ensure the barrel center is on the center line of the hinge gap between the frame and the door.

### HINGES ARE SOLD AS MATED LEAVES. DO NOT MIX DOOR AND FRAME LEAVES BETWEEN HINGES

Install using M12 Grade 12.9 high tensile screws or ½"-13 UNC Grade 8 QTY 4 screws each side. Torque screws to 60Nm (45ft-lbs) Adjustment – tension adjustment screw to give the required floor clearance and lock in place with locknut. Use only the adjustment screw provided. Maximum adjustment of .39" from closed position.

### MAINTENANCE INSTRUCTIONS

Lubricate with Shell Gadus S3 V220C (recommended) grease via grease gun/grease nipple after installation and then every 1,000 cycles. Pump in grease until grease comes out of the hinge barrel. Check and tighten mounting screws every 1,000 cycles.

### HANDING CHART



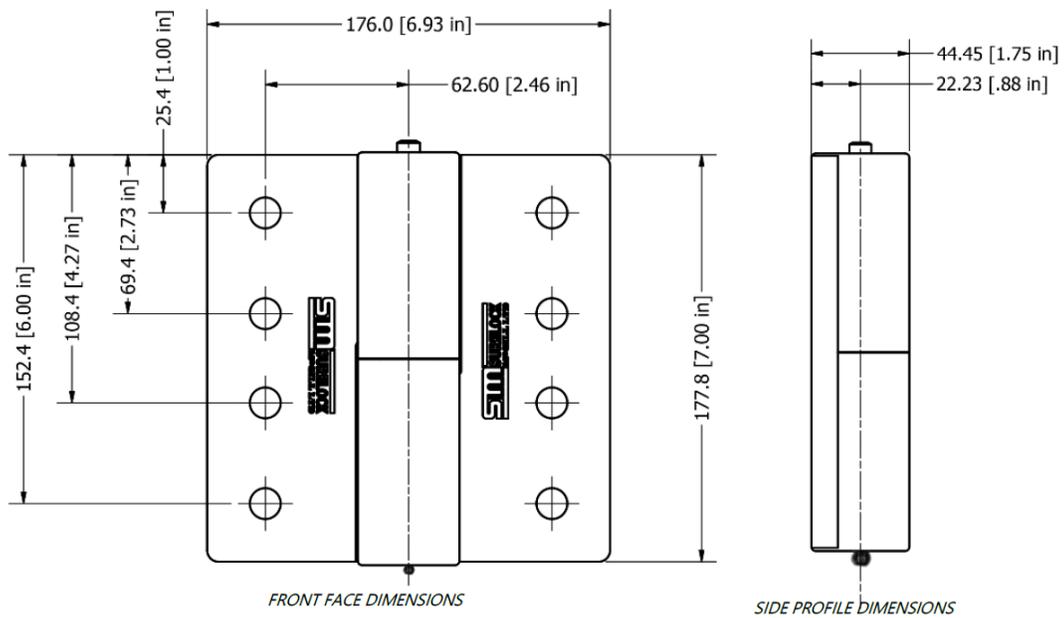
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### LOAD DECLARATIONS

(All load ratings are based on mounting with 4 M12 Grade 12.9 screws or ½"-13 UNC Grade 8 mounting hardware):

- Radial load capacity – Pivot hinge = 6,600 pounds per hinge
- Radial load capacity – Cam lift hinge = Not applicable (no radial capacity)
- Thrust load capacity – Pivot hinge = 7,700 pounds per hinge
- Thrust load capacity – Cam lift hinge = 7,700 pounds per hinge



### HINGE LIFT DURING OPENING SEQUENCE

