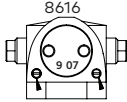# Installation Instructions

Identifying Surface Closers

The closer model number is dot-matrix etched on the end of the cylinder, as is the date stamp (see image at right). If the model number is hard to read, measure the horizontal and vertical distances between the centers of the mounting screw holes. Compare your dimensions with those shown below to determine a replacement closer now available. The closer body drawings with valves can help confirm identification. Not all discounted closers are represented in this document. Note: "669G" is a UL listing number that appears on all surface closers. It does not identify a model. Contact dormakaba Technical Service Department at 800-523-8483 for assistance.

Model number is 8616. Date stamp, 9 07, indicates closer was manufactured September, 2007. For models produced after February 2011, date stamp will indicate week and year (4313 = 43 week of 2013).

8900 Series body diagram	8900 Series has a unique footprint. The mounting holes are not at the ends of the body. One pair is close to the spindle. **NOTE:** Discontinued 7900 Series has the same hole pattern as 8900.	**8900 Series Mounting Hole Pattern** — 2-1/2", 5"
8600 Series body diagram		**8600 Series Mounting Hole Pattern** — 3/4", 12"
7400 Series body diagram		**7400 Series Mounting Hole Pattern** — 3/4", 10-1/4"
7300 Series body diagram	**NOTE:** Discontinued 7200 Series has the same hole pattern as 7300.	**7300 Series Mounting Hole Pattern** — 3/4", 9-1/16"
TS93 Series diagram	TS93 Series always has a track arm, and is attached using a mounting plate that goes on the door first. It has a three part cover. IMPORTANT: TS93 bodies are handed. Push side applications (PT) require "G" bodies. Pull side applications (T) require "B" bodies. Look for letter on body.	**TS93 Series** — Look for a "B" or a "G" on body
7600/7800 Series diagram 10-7/8", 7-3/4"	The discontinued 7600 and 7800 Series closers have a cylinder extending from one end of the body, and different vertical hole spacing on the other end. They are replaced by the 8616 closer using the BP86C conversion plate. The plate is attached to the door using the existing holes, and the 8616 is attached to the plate.	**Model 7601, 7605, 7801, and 7805 Mounting Hole Pattern** — 1-3/8", 3/4", 7-3/4"