

Downee Gravity Latches DPG200 Double Sided Gravity Latch

Installation, instruction and maintenance sheet

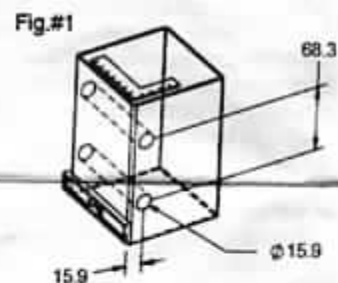
PLEASE CAREFULLY READ ALL OF THE INSTRUCTIONS PRIOR TO INSTALLATION

Step 1

Use one of the following methods for locating the mounting holes required to install the latch.
THESE INSTRUCTIONS APPLY TO ALL POST SIZES.

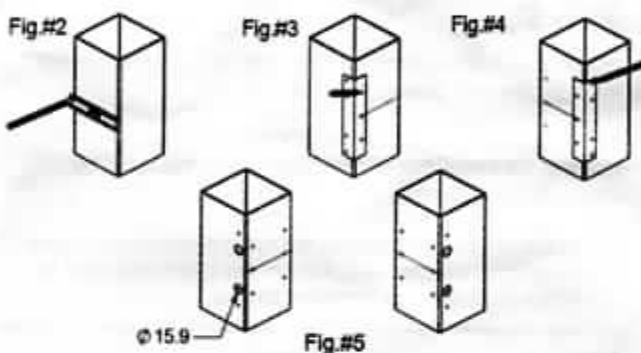
WITHOUT MOUNTING TEMPLATE

At the desired mounting height of the DPG200 Double Sided Gravity Latch on the Fence Post, mark the center points of the 2 holes, 15.9 mm from post edge spaced by 68.3 mm. Drill $\varnothing 15.9$ mm holes at both centre points (fig 1).
IMPORTANT: HOLES MUST BE STRAIGHT AND LEVEL.



WITH MOUNTING TEMPLATE

Draw a level line at the desired height for the latch on the side of the post facing the gate. This line will locate the center of the latch when installed (fig 2).



Next, align the template so that the side with (3) holes is on the side of the post with the line. The line should be visible through the center hole of the template (fig 3). Mark all 7 holes provided in the template. Reverse the template (fig 4) and align as described in previous step. Mark all holes in template.

Using marks created in previous steps, drill all (14) mounting holes. The two center spindle holes (fig 5) require a $\varnothing 15.9$ mm hole. All other holes will be drilled to $\varnothing 3.2$ mm.

Step 2

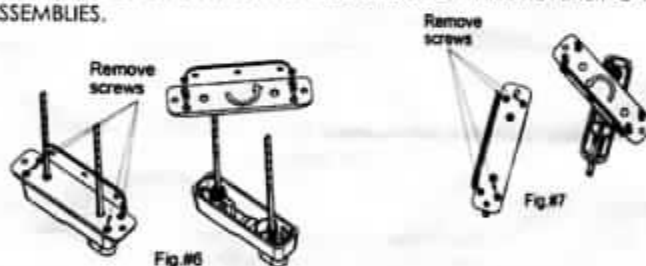
The DPG200 Double Sided Gravity Latch is designed to fit both right-hand and left-hand applications.

To conform to your application both the button assembly (fig 6) and the latch assembly (fig 7) may need to be reversed.

To reverse the button assembly; remove the four screws holding in the mounting base, carefully lift and rotate the mounting base.

To reverse the latch assembly; remove the four screws holding the mounting base, carefully lift and rotate the mounting base.

IMPORTANT:
INNER COMPONENTS MUST NOT BE DISTURBED WHILE REVERSING THE ASSEMBLIES.



Step 3

The DPG200 Double Sided Gravity Latch is designed to fit post sizes varying from 50 to 127mm in depth.

Pick the fence post depth size from chart below to find the length 'x' that needs to be cut off from both spindles, measured from the end.

'x' can also be calculated as follows:

$$x = 127 - \text{Depth of post}$$

IMPORTANT:

BE CAREFUL TO AVOID BENDING SPINDLE DURING CUTTING PROCESS

Post depth	Cut off length off both spindles (x)
50	77
65	62
75	52
90	37
100	27
125	2

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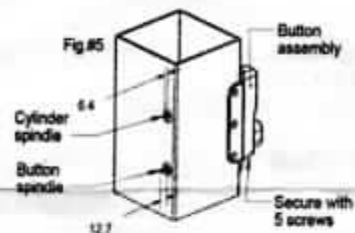
Installation and instruction sheet

Step 4

Attach the button assembly to the fence post with the button spindle mounted through the lower hole and the cylinder spindle through the upper hole. Without the button depressed the cylinder spindle should protrude through the post by 6.4 mm and the button spindle should protrude by 12.7 mm.

Be sure the spindle tips are free from burrs and sharp edges. Align the cylinder spindle so that it matches the mating slot in the latch assembly.

The mating slot is in the top hole on the back of the latch assembly.

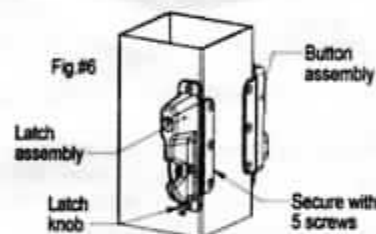


Step 5

With the button depressed, align the latch assembly with the spindles and slide into place.

Be sure the latch is NOT in the LOCK position when testing. Holding the latch assembly in place, TEST the latch by depressing the button.

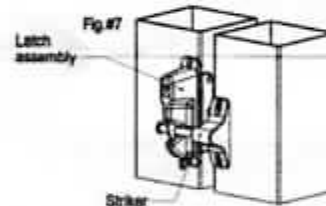
When the latch is not locked, the latch knob can be used to lift the latch mechanism. Attach the latch assembly to the fence post with the supplied screws.



Step 6

After installing both the button assembly and the latch assembly, position and attach the striker.

With the gate closed, position the striker with the striker rod within the latch assembly, behind the latch mechanism.



Step 7

After installation, it is important to TEST the locking and unlocking of the latch and button.

LATCH SIDE

Lock: Turn key clockwise to stop point, then counterclockwise to the 12:00 o'clock position and remove key.

Unlock: Turn key counterclockwise to stop point, then turn key clockwise to the 12:00 o'clock position and remove key.



BUTTON SIDE

Lock: Turn key counterclockwise to stop point, then clockwise to the 12:00 o'clock position and remove key.

Unlock: Turn key clockwise to stop point, then turn key counterclockwise to the 12:00 o'clock position and remove key.



TROUBLESHOOTING

If the latch's lock feature fails to work as described in step 7, then you will need to reverse the button side cylinder spindle.

To reverse the button side cylinder spindle:

1. Remove the keys from the latch,
 2. Carefully remove the latch side from the post.
 3. Rotate the button side cylinder spindle (shown in fig 5) 180°. This should only turn in one direction.
 4. Reattach the latch to the post, taking care not to turn the cylinder spindle or cam inside the latch housing.
- Once complete, check for proper operation as in step 7.

USE: Remove the keys from the locks when it is not in use to prevent unauthorised access. MAINTENANCE: Do not use petroleum based lubricants on the moving parts of the latch, button and locks. Lubricate with powdered graphite only. Keep the latch and button free of contaminants, such as sand, ice and dust, as they could impair their function.