Tech Sheet 19

SPECIFICATION SHEET

Prepared by DADS in conjunction with the manufacturer(s)

Specifications subject to change. Some items may not be available separately.
Refer to DADS Catalog and/or Price Sheets for Current Pricing.

COLUMN MOUNTING PROBLEMS

Because the arms merely expand and retract, the further back from the hinge post you mount the motor end, the less travel you will get on the gate (less degrees of opening).

The following models need to be mounted within 4" of the gate's pivot point to attain 90 degrees of swing.

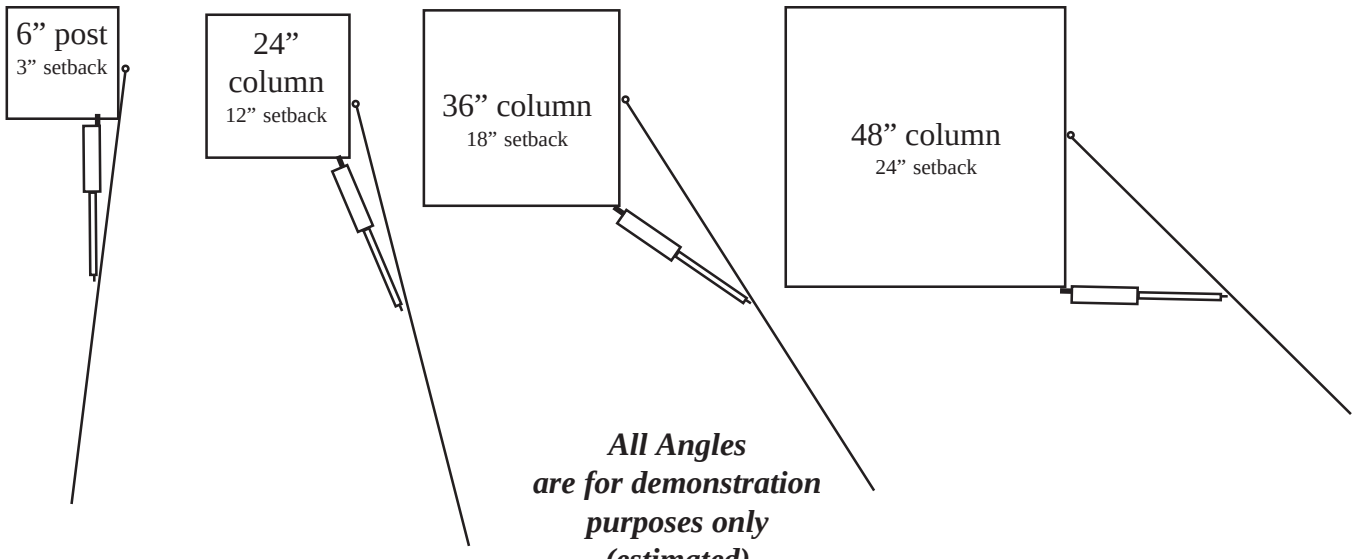
SW1500, FM350, SW2500, SW2550, FM500, FM502, SW3000, SW3200

The following models can be mounted up to 12" back from the gate's pivot point and still swing 90 degrees.

SW4000, SW4200

The diagrams below indicate how the problem increases (travel is reduced) as the set back increases.

If the set back exceeds the above amounts, you will need to pocket the column, change to push-out-to-open or make other modifications to your gate. See page 2 for suggestions.



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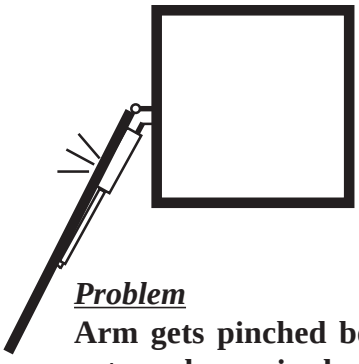
PINCH-FIT
CONSIDERATIONS & POSSIBLE SOLUTIONS

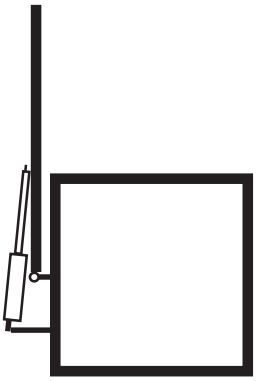
Most swing gate installations are routine and gate arm clearance is not a problem. On the installations that do have a gate arm clearance problem, it can be solved easily by installing the gate(s) to push out to open (PTO). If you are unable to or do not wish to have the gate(s) open outward and you have a "Pinch-Fit", you may have to make some custom alterations in order to allow room for the gate arm(s). The suggestions provided below are for mechanical fit only and do not take into consideration the Control Box, Power Cables to the Arm, Radio Antenna or Main Power.



Problem

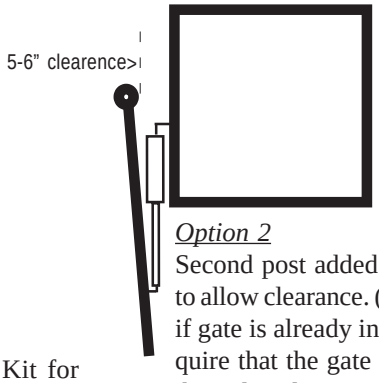
Arm gets pinched between gate and oversized column. Restricts gate from opening all the way.

This problem may also occur on gates that are mounted on a corner post and the arm gets pinched between the gate and the side fence.



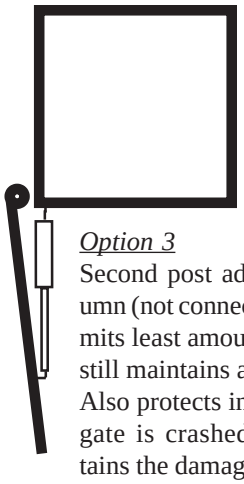
Option 1

Optional Push-To-Open Kit for operator. Pushes gate out, but, narrows the opening by 6 inches (per leaf).



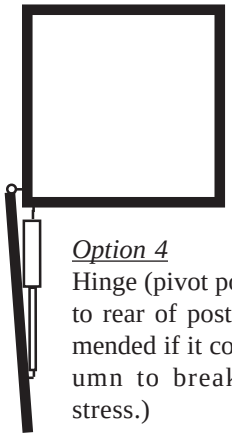
Option 2

Second post added to side of column to allow clearance. (Not recommended if gate is already in place as it will require that the gate be shortened to fit the reduced opening width).



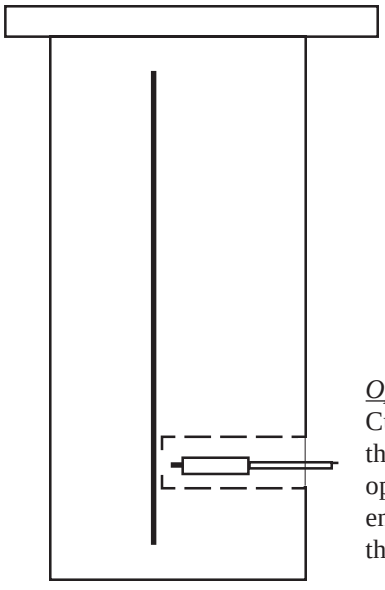
Option 3

Second post added to back of column (not connected to column). Permits least amount of alterations and still maintains a decent appearance. Also protects integrity of column if gate is crashed (second post sustains the damage.)



Option 4

Hinge (pivot point) relocated to rear of post. (Not recommended if it could cause column to break apart from stress.)



Option 5

Cut a "pocket" into the column to give the operator arm a place to go when opening the gate. Make pocket large enough to allow for the power cable that is attached to the arm.

New Installation Tip

RE: Oversized columns: Install the gate on a separate post. Have column constructed afterwards and with the gate in the open position. Column builder must make allowances for the arm. (Install your stuff first-let the brick/stone mason accomodate you).