STANDARD BIN WELL CONTROL PIPE KIT

GENERAL NOTES:
The center well should be located so the sweep mounting tube is in the exact center of the bin. Intermediate well(s) should be equally spaced between the center of the bin and the bin wall. Wells must be positioned so the gates will open when control pipes are pulled out and away from the center of the bin. Keep the amount of control pipe extending outside the bin short. This will permit opening the bin well gates without the control pipe striking unloading equipment attached to the auger tube. For the center well use the longer pipe, which is 1/2 inch Sch. 40 pipe (about 7/8" O.D.). For the intermediate well(s) use the shorter pipe, which is 1 inch Sch. 40 pipe (about 1 3/8" O.D.). The control pipe for the center well will slide inside the control pipe for the intermediate well(s).

ASSEMBLY
Step 1. Install wells to unloading tube.
Step 2. Attach the intermediate bin well gate(s) to 1 3/8" O.D. control pipe. (See Assembly Sheet provided with the well.)
A. Shut the intermediate bin well gate(s).
B. Check length of control pipe by sliding it into place. Be sure there is at least 14" of control pipe extending past the back end of the last intermediate well, so when the gate is opened the end of the control pipe will not be drawn into the well. See Fig. 3.
C. Drill a 3/8" dia. hole through one side of the 1 3/8" O.D. control pipe. The dimple of the control gate clamp will fit into this hole when clamped to the control gate. Determine the hole location by seeing where the dimple will hit the control pipe when it is bolted in place.
D. Fasten the control gate clamp to the control gate and control pipe. Secure in place by using two 5/16" x 1 1/4" long (grade 5) hex head cap screws, lock washers and nuts.
Step 3. Attach the center well gate to 7/8" O.D. control pipe. (See Assembly Sheet provided with the well.)
A. Shut the center control gate.
B. Drill a 3/8" dia. hole through the 7/8" O.D. control pipe 5/8" from the end.
C. Check length of control pipe by sliding it through the control pipe of intermediate well(s). When the control pipe is fastened to the control gate clamp, the center well control pipe should extend past the end of the intermediate well control pipe a minimum of 2 1/2". See Fig. 2. It may be necessary to shorten the center control pipe and re-drill the holes depending on the exact bin size and type of center well used.
D. Attach control clamp to control pipe by sliding 5/16" x 1 3/4" long roll pin through clamp and control pipe.
E. Fasten clamp to top side of control gate by using two 5/16" x 3/4" long (grade 5) carriage bolt, flat washers, lock washers and nuts. Install nuts so they secure the 5/16" x 1 3/4" long roll pin in place.

FIG. 1
FIG. 2
FIG. 3

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Step 4. Assemble handle to center control pipe on the outside of bin.
A. Attach clamp to control pipe by sliding 5/16" x 1 3/4" long roll pin through clamp and control pipe.
B. Fasten clamp to handle by using two 5/16" x 3/4" long (Grade 5) carriage bolts, flat washers, lockwasher and nuts. Install nuts so they secure the 5/16" x 1 3/4" long roll pin in place.

FIG. 4

Step 5. Check gate operation by separately pulling on the control pipes, control gates should slide freely.

OPERATION
A. Configure the control pipe ends as shown in Fig. 5 when all bin well gates are closed.
B. To open the center well, pull handle out away from the bin. See Fig. 6.
   NOTE: Intermediate well(s) should not be opened until the bin has emptied to where grain will no longer flow into the center well.
C. To open intermediate well(s), first close the center well. Install the 5/16" x 2" long (Grade 5) hex head cap screw through both the intermediate and center control pipe. Secure cap screw in place with lock washer and nut. Pull handle out away from bin to open the center and intermediate wells together.

FIG. 5

FIG. 6

FIG. 7

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