

GrowerSELECT® HS600 Series Feed Line Drop Adaptors

- HS655, Model 55/220 Drop Adaptor
- HS660S, Model 60/237 Drop Adaptor-Straight Chain Disk
- HS675, Model 75/300 Drop Adaptor
- HS690, Model 90/350 Drop Adaptor

General Installation Notes:

Make sure that power is disconnected from system prior to servicing.

Installation of this equipment and related OEM equipment should be in accordance with these instructions, OEM’s installation instructions and local codes (if applicable). Failure to follow specified instructions may cause damage to equipment and/or personal injury or death.

Take special note of any Warnings or Safety Decals on the equipment and in manuals.

Always wear protective clothing and any applicable Personal Protective Equipment (Safety Glasses and/or Ear Plugs) when working with the equipment.

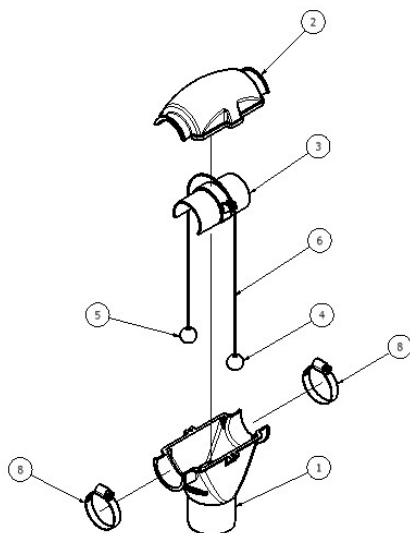
Discarded materials, equipment and boxes should be recycled in accordance with local and national codes.

Unless otherwise specified, all Feed Delivery Systems (Diameters) are installed similarly.

Model HS660S Drop Adaptors are to be used only with 2.375” diameter chain disk tubes

Overview:

The GrowerSELECT HS600 Series of Feed Line Drop Adaptors are designed to allow the transfer of Feed from a Feed Line or Feed Delivery System into a gravity Drop Tube at desired location along the Feed Delivery System.



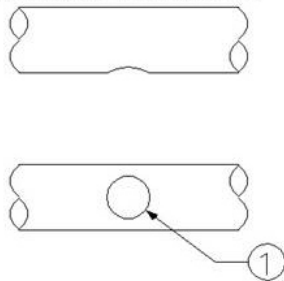
Item	Name	GrowerSELECT Part			
		HS655	HS660S	HS675	HS690
1	Outlet Adaptor	n/a	n/a	n/a	n/a
2	Cover	n/a	n/a	n/a	n/a
3	Shutoff	n/a	n/a	n/a	n/a
4	Green Ball	HS655-5	HS655-5	HS655-5	HS655-5
5	Red Ball	HS655-6	HS655-6	HS655-6	HS655-6
6	Rope	A/R	A/R	A/R	A/R
8	Clamp	HSHC-36	HSHC-36	HSHC-52	HSHC-56

Figure 1

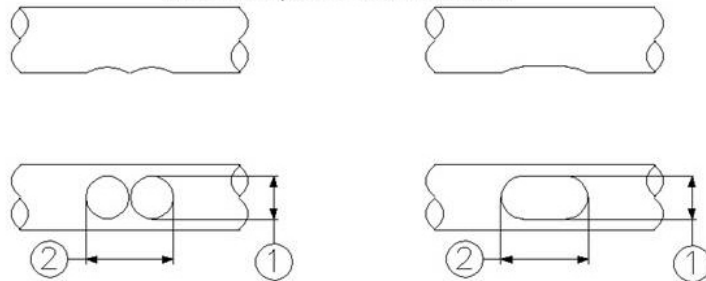
Installation:

1. Determine the desired location for the Outlet Drop. Drill or cut the desired outlet hold based on system requirement of **Standard Outlet** or **Total Drop-Out Outlet**. Reference Figures and Charts below.

Standard Outlet Hole



Total Drop Out Outlet Holes



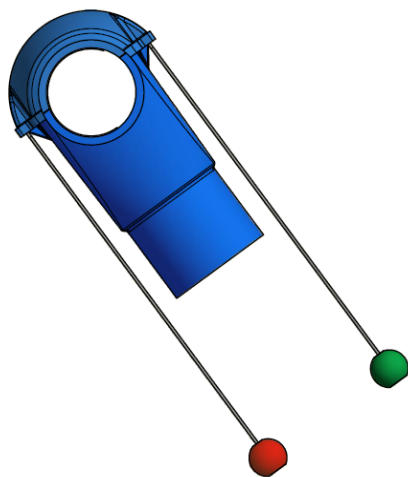
Outlet Hole Configuration

Model	Item 1	Item 2
55/220	1-1/2" Dia (38 mm)	3" (76 mm)
60/237	1-3/8" Dia (35mm)	n/a
75/300	2 1/2" Dia (63 mm)	5" (127 mm)
90/350	3" Dia (76 mm)	6" (152 mm)

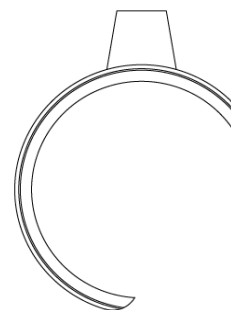
Special Notes for Chain Disk Drops Only:

Use a hole saw or uni-bit (step drill) to drill outlet holes. All burrs should be removed after cutting so drop will perform properly. *This is especially important when installing on metal tubing for chain disk systems as to not damage the chain or drop adaptor.*

If Drop Tube Housing is installed at an angle to the right as shown below, insert Shutoff (Item 3 in Figure 1) as shown below with long side on the left.

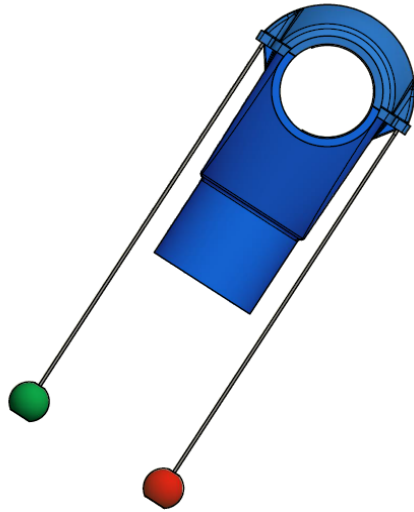


Drop Tube Housing

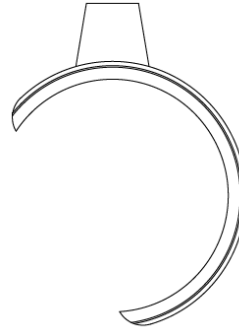


Shutoff

If Drop Tube Housing is installed at an angle to the left as shown below, insert Shutoff (Item 3 in Figure 1) as shown below with long side on the right.

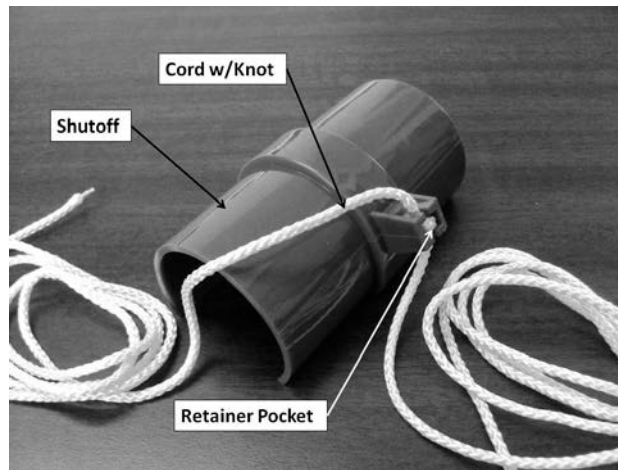


Drop Tube Housing

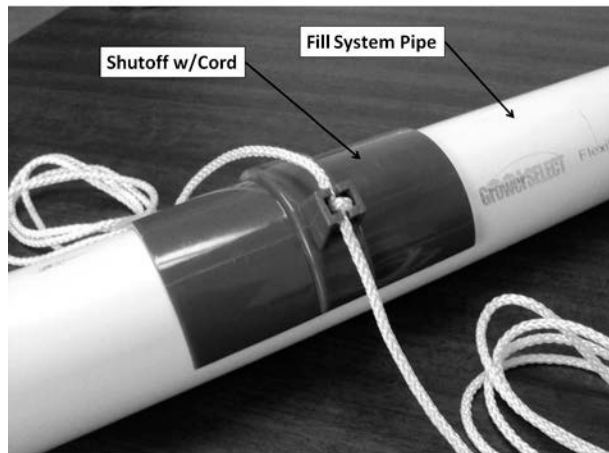


Shutoff

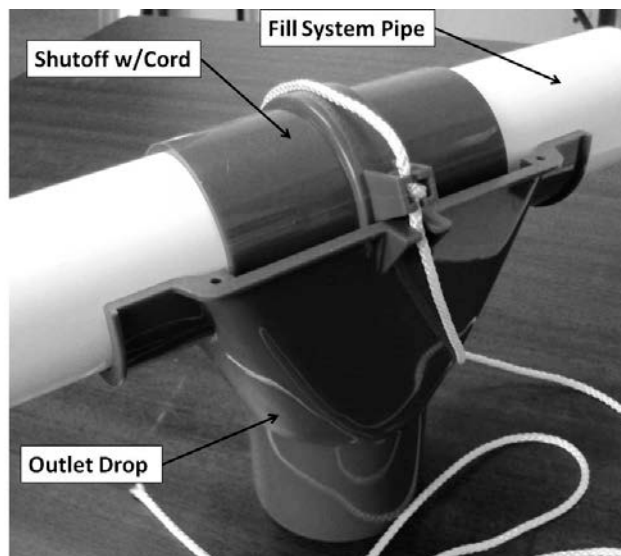
2. Tie an overhand knot in Cord provided located at center of Cord length. Assemble Cord with Knot into retainer pocket of the Shutoff making sure that cord is fully seated in slots.



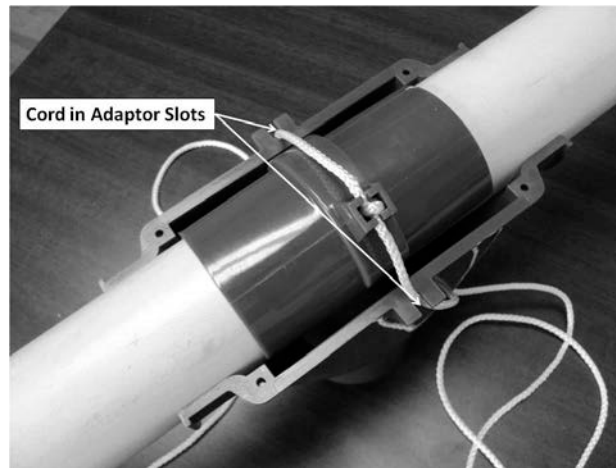
3. Snap the Shutoff Assembly with Cord on the Fill System Pipe of previously drilled or cut Outlet Hole.



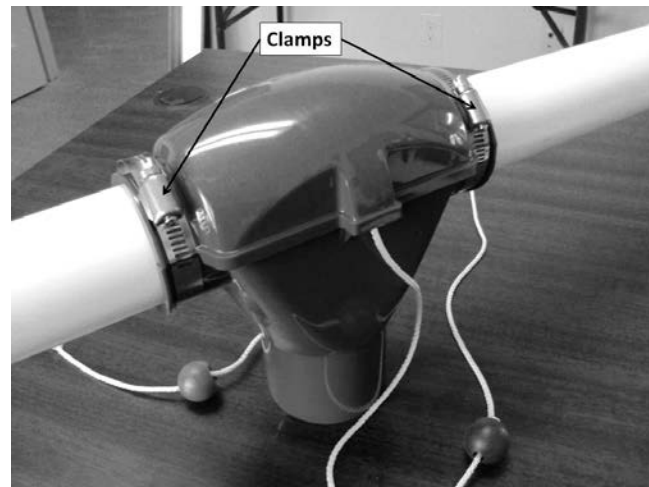
4. Assemble (snap) the Outlet Drop onto the Fill System Pipe under the Shutoff Assembly over the Outlet Hole. Outlet Drop should remain in place.



5. Locate Cords in slots of Outlet Drop. Assemble Cover to top of Outlet Drop over Shutoff Assembly.



6. Assemble supplied Clamps on each end of Outlet Assembly to prevent sliding and rotation. Make sure the entire Outlet Drop is centered over the Outlet Hole. Adjust Outlet drop for proper downward orientation and tighten claps to hold in place. **Note: Make sure that Cords are still in guide slots and move freely prior to tightening Clamps.**



7. Determine the appropriate length of Cord needed to ensure greatest ease of actuation. Assemble Indicator Balls on the Cord ends and knot the Cord ends so the Indicator Balls will not pull off. Green Indicator Ball should be assembled to end of Cord closest to retainer pocket of Shutoff or the “Open” position. Check by looking up through the Drop opening. Knot the Cord ends so the Indicator Ball will not pull off. Check for proper function by using Indicator Balls to open and close Outlet Drop.

This equipment must be installed in accordance with all State and Local Codes and applicable Regulations which should be followed in all cases. Authorities having jurisdiction should be consulted before installations are made.



**Hog Slat, Inc.
PO Box 300
Newton Grove, NC 28366**

Phone: (910) 594-0219

Fax: (910) 594-1392

www.hogslat.com

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