



# The Gorilla SSP<sup>®</sup> Enrichment Database

**Name of Item:** Pump Feeder

**Submitted by:** Zoo Atlanta



## **Items Needed:**

1. PVC: 1 1/2"
2. PVC: 2"
3. Slip caps
4. PVC fitting & plug
5. Bolts
6. Flat washers
7. Lock nut
8. Chain
9. Snap hooks

## **Construction Directions (obtained from MD Anderson):**

1. Using a hacksaw cut a piece of 1 1/2" PVC pipe to a length of 9".
2. Apply PVC primer to the first 1/2" of pipe on one end as well as the inside of a 1 1/2" slip cap.
3. After the primer has dried apply PVC glue to the same areas. Immediately following the application of the glue slide the slip cap onto the pipe.
4. Using steps 2 and 3, glue a 1 1/2" fitting with female threads to the other end of the pipe.
5. Attach a 1/2" drill bit to the cordless drill.
6. Drill a 1/2" hole through the square part of a 1 1/2" plug with male threads.



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7. Using a hacksaw, cut a piece of 1/2" polycarbonate rod to a length of approximately 12".
8. Drill a pilot hole at one end of the rod.
9. Place a #10 lock washer around the pilot hole.
10. Apply a dab of glue to the threads of a 10-24 x 3/4" screw, and screw it through the washer and into the pilot hole at the base of the rod.
11. Drill small notches randomly along the rod.
12. Set rod inside of pipe, and slide plug down over the rod. Hand-tighten the plug into the fitting.
13. Cut a piece of 2/0 straight link coil chain 6-8 links long.
14. Open a 2" hose clamp completely, and run the flat end through one of the end links of chain.
15. Place the hose clamp around the pipe next to the slip cap to where the two ends of the hose clamp meet.
16. Tighten the hose clamp down using an appropriate screwdriver or drill head.
17. Insert the end of a snap hook into the trailing end link of the chain.
18. Secure snap hook to chain using a vise.

\*To use this device unscrew the cleanout cap and remove the rod. Fill the device with the desired food (pudding, applesauce, etc.). Place the rod back inside the device. Slide the cap over the rod and tighten until secure. Hang device so that it is accessible by the animal. This device can be used for 1-2 days. Optimally, this device should be used in rotation with other devices to maintain novelty.

**Supplies can be purchased at a local hardware store**