

KRM S06 Silo

HO Basic Out loading Chute

Instructions for Construction.

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Introduction

This is a relatively simple kit that ends up with a nice result.

The kit include the following:

- **2 pieces of 4.8 mm brass tube.**
- **1 mm brass tube**
- **0.6 mm brass wire**
- **0.3 mm brass wire**
- **Brass etch of model winch.**

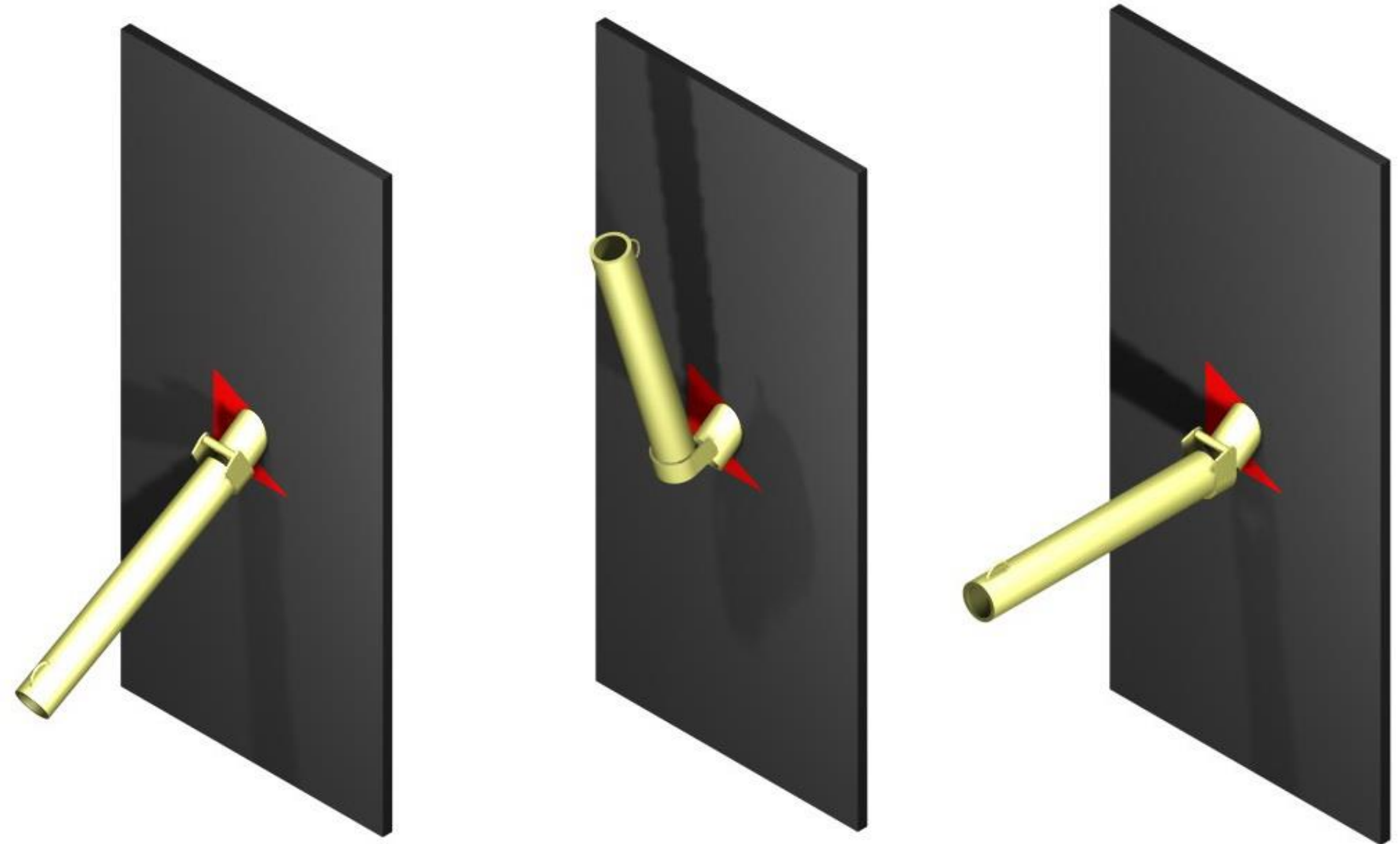
Hints and Tips

- The 3D print support block which has been designed to accommodate the brass pipe, and the Acrylic kit if any of the silo kits
- The original acrylic front wall, had a small hole where the pipe should go and in the past, small pieces of acrylic would have been glued to the inside of the wall to thicken up the part to accommodate the brass pipe, this has changed with a redesigned front wall and the 3D print.
- The use of silo photos to gauge the build of the out loading chute, should be used. Especially the position of the winch and pulley and the length of the main pipe.
- The length of the chute should be determined by the situation that the modeller wants. If the chute is left in the upright position then the length is not critical, however if the chute is in a more horizontal position, then it needs to be able to reach the vehicle being loaded and not over shooting the mark.

Part Description

- This Out loading Chute, is made from 4.8 mm brass tube.
- The design of Silo Kits has been modified to allow the brass tube to have a captive support block behind the front wall panel, so that the chute exits the wall at 35 degrees, which is minimum flow rate for grain.
- There are 2 sections of pipe, the first smaller section fits into the block and the second longer section pivots from the first just outside the wall panel.
- A 1 mm brass tube is soldered to the top of the small section of pipe, right at the end of the pipe.
- If you look at the photos in the slides, you will notice that the longer pipe has a bellowing effect near the pipe connection. Some photos also show a rubber mat to limit grain spillage. This has not been included in the kit but there is nothing stopping the modeller from doing that modification.
- What is suggested, is that the shot pipe is filed on a small angle so that the two pipes have a much nicer connection.
- The small etch included in the kit, is soldered to the end of the pipe 1/3 of the way across the etch, leaving 2/3 of the etch to come into contact with the smaller pipe.
- The etch is folded around the pipe so that the two holes line up with the 1 mm tube and the thicker of the 2 wires is pushed through the tube and the wire soldered to the etch, this forms a pivot.
- The 0.3 mm wire is used as a hook that is soldered to the front of the pipe, and a winch is attached to this so the chute can be raised and lowered, if desired.

What it looks like.



Photos of some of the out loader chute.



More Photos



I hope that this PDF helps, and
any feedback would be
appreciated.

It can be sent to

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Thanks Keiran Ryan