Cutting all the pieces:

**Front pieces:** the dimension are given like this H(eight) x W(idth) x D(epth) mm(millimeters)
1. 155 x 150 x 5
2. 130 x 130 x 5
3. 130 x 140 x 5
4. 120 x 140 x 5

**rails front** 135 x 5 x 5

**Top pieces:** the dimension are given like this H(eight) x W(idth) x D(epth) mm(millimeters)
1. 155 x 150 x 5
2. 130 x 130 x 5
3. 130 x 140 x 5

**rails top** 135 x 5 x 5
**Left over pieces:** the dimensions are given like this H(eight) x W(idth) x D(epth) mm(millimeters)

1. 150 x 150 x 5
2. 150 x 5 x 130
3. 150 x 5 x 130
4. 5 x 140 x 130

**Blocks:** 15 x 15 x 5

**Round pins:** 2x 30 long and 2,5 radius and 1x 25 long and 5 radius

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**Refining the cuts:**

**Real life size 1:1**

This has to be cut out.

You have to cut this circular line.

**Front piece 2**
These two white pieces are 2 separate pieces.
Cut along these lines, so you'll end up with 4 pieces.
In the pieces 1 and 2 there have to be holes for this big round pin, but in 3 and 4 there shouldn't be a hole.

Blocks
Make a hole in the center of these. radius 2,5

This piece should have been 10mm shorter

Cut this out

Also cut out that what is lighter colored behind the blocks
Glueing

This has to be glued together as in the pictures

Front View

Piece that was cut out of front piece 2

Round pin with biggest radius

Glue these to pieces together and put them in front piece 2, but don't glue that together.
Don’t glue the round circular piece that you just glued to the round pin to the rest of the pieces seen here.
But do glue the rest of piece 2 to the piece 1 and 3. This should make it so you can turn the round pin and the circular piece.

Now glue the 2 round pins that you have left in the center of the blocks.

Now slide the front piece in the box piece as shown in the picture and then put the round pins with blocks in.
Now glue these white pieces, that you earlier cut out of front piece 1, to the round pins.

Now try out the keyway, slide the pins to their end position and push the front piece down. After doing that slide on the top piece and slide the front piece up and the pins back to their beginning positions. Your Puzzle box is done and locked. Enjoy it :) !!!.