

# Rudolph Xmas Card Holder

## Tools Required To Make this Design:

- Scrolling: Mk1/2 Scroll Former  
Punching: Practical Punch/Shear, (or Master Punch/Shear or XL5+ Power Bender fitted with 3mm punch block & pin)  
Cutting: Practical Punch/Shear (or Master Punch/Shear or XL5+ Power Bender)  
Riveting: Practical RBR  
Bending: Practical RBR  
Rolling: Practical RBR

We recommend that before starting you wipe all steel bars down so that they are free of grease, scale or dirt. After cutting any component, we also recommend that you trim the corners for a neater finish, if preferred, unless stated otherwise in the instructions. Use a fine tip marker pen, pencil or scribe for marking hole, bend, scroll, roll points on the bars.

Component 1

Antlers (x2)

12mm x 2mm x 914mm

Start by taking two full lengths of 12mm x 2mm and using the Design Sheet overleaf mark Scroll position S1, roll marks R1, R2, R3 and hole position H1. Then form the scroll on Mk1/2 Scroll Former until mark S1 just touches the forming segment on the tool. Next on the RBR roll a gradual curve between R1 and R2 using template 8 as a rough guide for the curvature. Then flip the bar over to roll the same curve on the reverse side between R2 and R3 to form a gentle S shape. Use the photograph on the front of the instructions for guidance if in doubt but the resulting shape is not critical if you do not quite achieve the same curve. Finally punch hole at position H1.

Component 2

Card Holder Scrolls (x18)

10mm x 1.6mm x 228mm

Next take 5 full lengths of 10mm x 1.6mm material and cut 18 lengths each measuring 228mm. Mark hole position H2 on all 18 pieces as shown on the design sheet overleaf and punch accordingly. Then take each piece in turn and feed the end without the hole into the centre of the Mk1/2Former and make a complete scroll with the the complete length of the 228mm steel. Then divide the 18 scrolls in to 2 sets of 9 “left hand” scrolls and 9 “right hand” scrolls as shown on Assembly Drawing 1 overleaf and push out the centres of the scroll by hand to form a spiral so that you can slide and grip your Xmas cards. If your fingers are not strong enough you can use the top of the RBR rivet post to help press out the centre of the scrolls.

Component 3

Head Top

12mm x 2mm x 160mm

Cut a length of 160mm out of 12mm x 2mm material. Then mark hole positions H1 as well as bend points B1 and B2 using the Design Sheet overleaf. Then bend an angle of 102 degrees at B1 & B2 using Template 1A as a guide to setting the angle required. Next roll a curve as shown in Template 1B (this should also follow the profile of Component 4 but may need tweaking when that component is finished. Finally, punch the holes H3 and H4.

Component 4

Face

12mm x 2mm x 914mm

Take one full length of 12mm x 2mm and using the Design Sheet overleaf mark the centre point R6.Then mark roll points R4, R5, R7 & R8. Start by rolling a curve between roll markings R4 and R8 to match the curve of component 3 (Template 1B).Then increase the pressure to roll more of a curve between points R4 to R5 and also R7 to R8 to form the curvature on the top of the face shape using Template 7. Then roll a very slight curve on the reverse side of the bar between R4 & R13 and also R8 & R14 to introduce some shape down to Rudolph’s nose, again using Template 7 .

Component 5

Nose

12mm x 2mm x 140mm

Cut a length of 140mm from 12mm x 2mm and roll into a complete circle using Template 2 as a guide.

Component 6

Eyes (x2)

12mm x 2mm x 120mm

Cut two lengths of 120mm from 12mm x 2mm and roll both into full circles using Template 3 as a guide.

Component 7

Outer Ears (x2)

12mm x 2mm x 260mm

Cut two lengths of 260mm from 12mm x 2mm and mark centre points B3 on both. Roll between roll points R9 and R10 to form a semi circle using Template 4B as a guide to check the curvature. Finally use Template 4A to bend a 90° angle at B3

Component 8

Inner Ears (x2)

12mm x 2mm x 150mm

Cut two lengths of 150mm from 12mm x 2mm and mark out roll positions R11 and R12. Then roll between points R11 and R12 and increase pressure to reduce radius enough so flat ends meet as shown in template 5.

Assembly

Starting with the antlers, place these on a flat surface and arrange left and right hand scrolls in the approximate positions as shown on assembly drawing 1. Mark your hole positioning's where scrolls touch antler and punch both components and rivet together using 6mm x 3mm rivets. Next place reindeer face on flat surface and place nose in correct position as shown on assembly drawing 1. Mark out hole positions for the nose, punch and rivet together. See assembly drawing 1 for hole reference.

Then place head top central on the top of the face and mark out hole positions for riveting as shown on assembly drawing 1. Next arrange eyes and inner & outer ears as per assembly drawing 1 and mark hole positions to rivet all features together using 6mm x 3mm rivets to form complete face. Finally place antlers so holes H1 in antlers line up with holes in H1 in the Head Top and rivet together to complete the project.

The finished item can be painted in a variety of finishes either by aerosol or by brush application. The item can then be then fixed back to a wall and a bit of red tinsel in the nose adds that finishing touch.



The pulled out scrolls grip your Xmas cards in place making this a novel way to display the sea-sons greetings from your friends and family. Let your Christmas cards be displayed in style and with something you have made yourself. Alternatively it makes a great gift to a loved one.

Merry Christmas  
From  
METALCRAFT

## GENERAL NOTE



## Design Pack

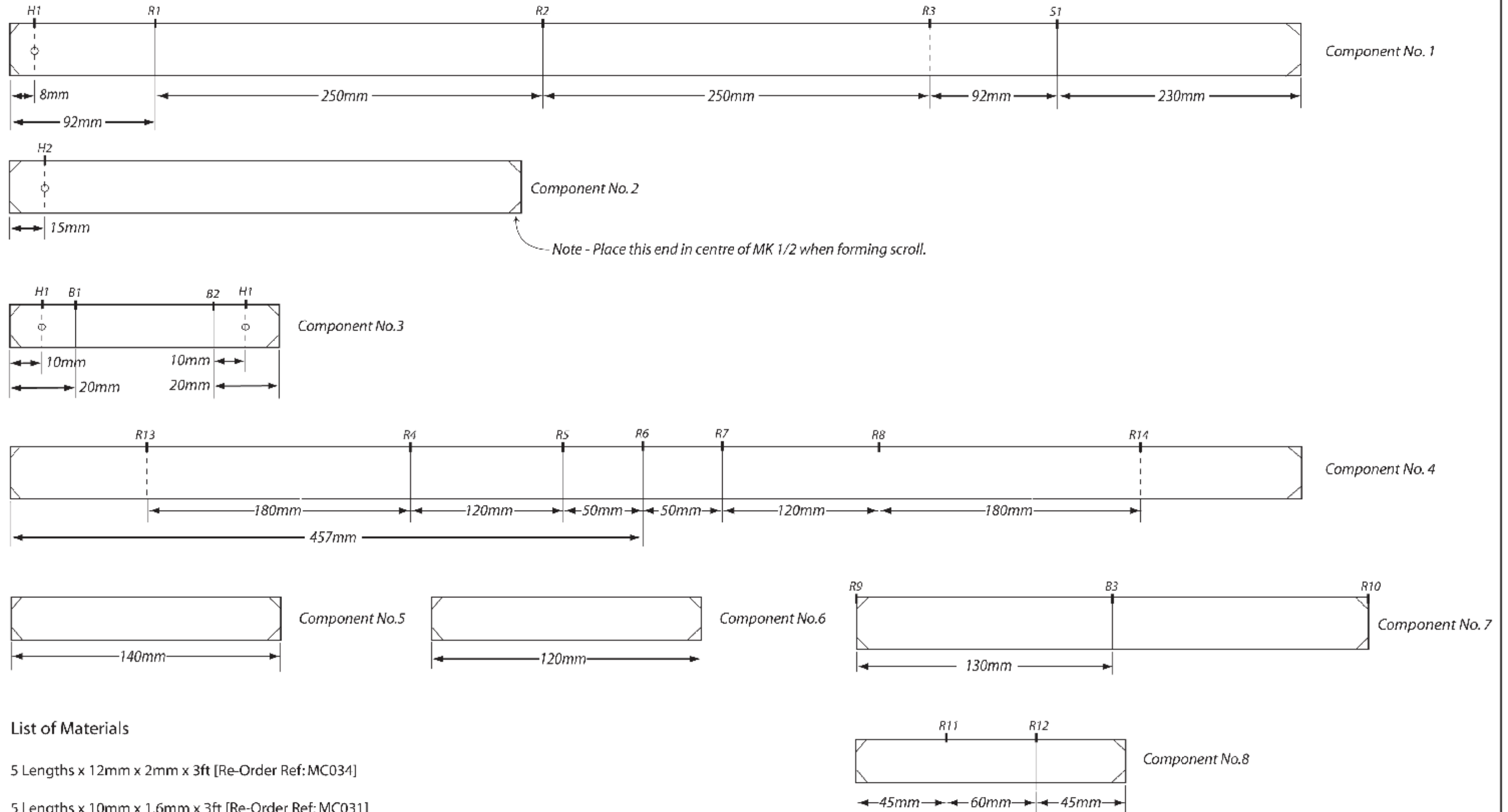
# Rudolph Xmas Card Holder

Difficulty Rating:	
Easy	
Straightforward	✓
More complex	



# Design Pack: Rudolph Christmas Card Holder - Design Sheet

Not to Scale:



## List of Materials

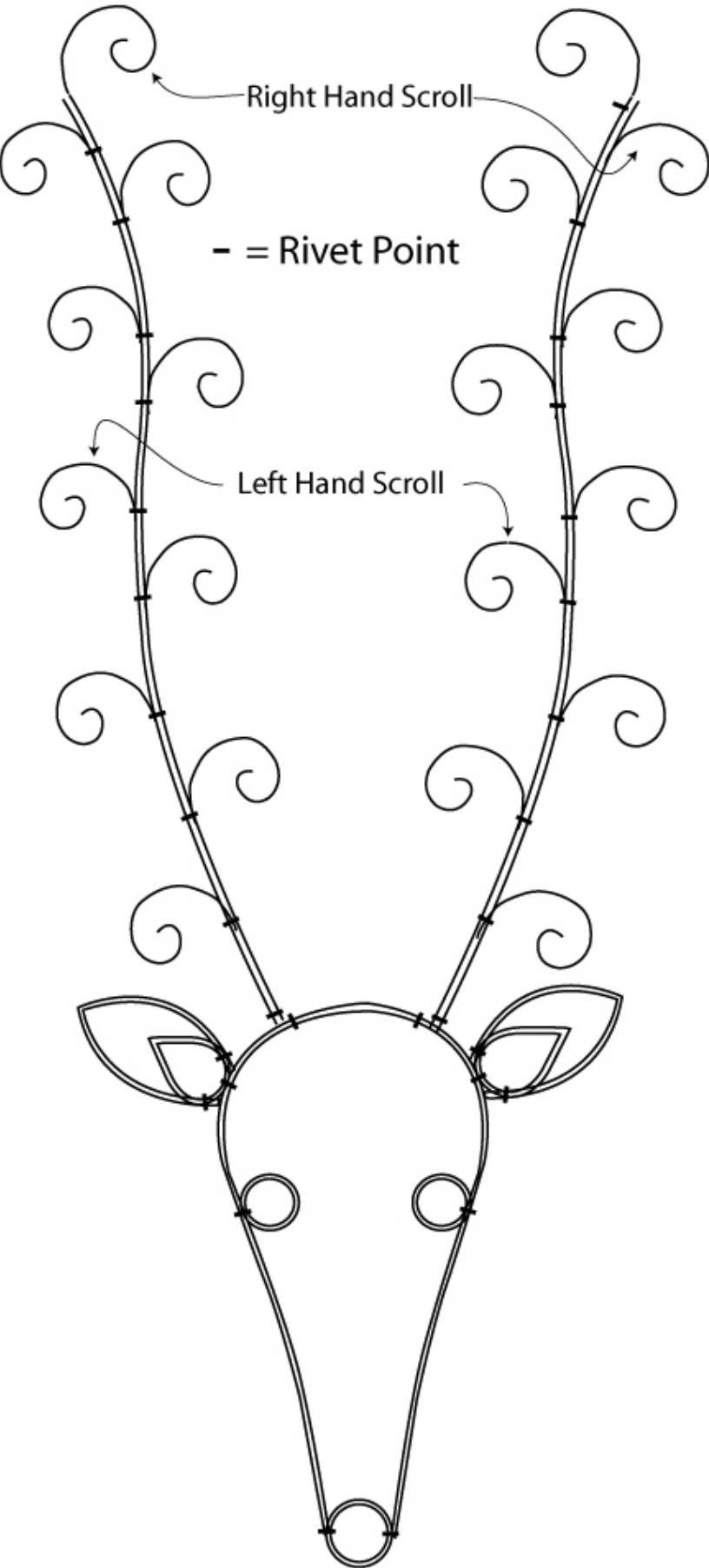
5 Lengths x 12mm x 2mm x 3ft [Re-Order Ref: MC034]

5 Lengths x 10mm x 1.6mm x 3ft [Re-Order Ref: MC031]

32 x 6mm x 3mm Rivets [Re-Order Ref: MC050L]

**Design Pack:** Rudolph Christmas Card Holder - Template Sheet

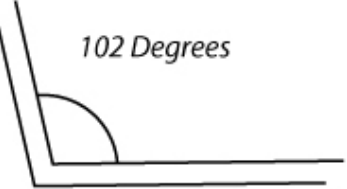
Assembly Drawing 1



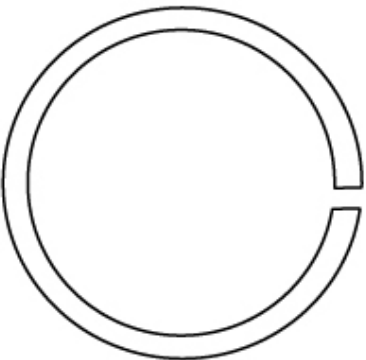
Template 1B  
Head Top



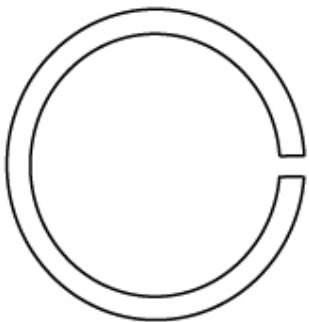
Template 1A



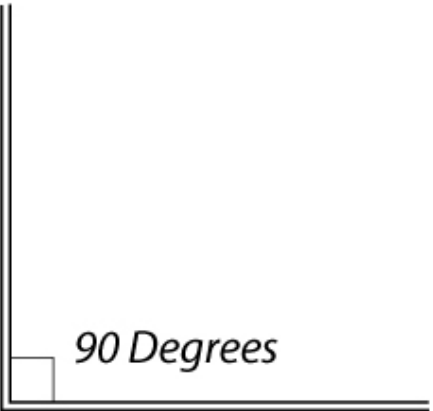
Template 2



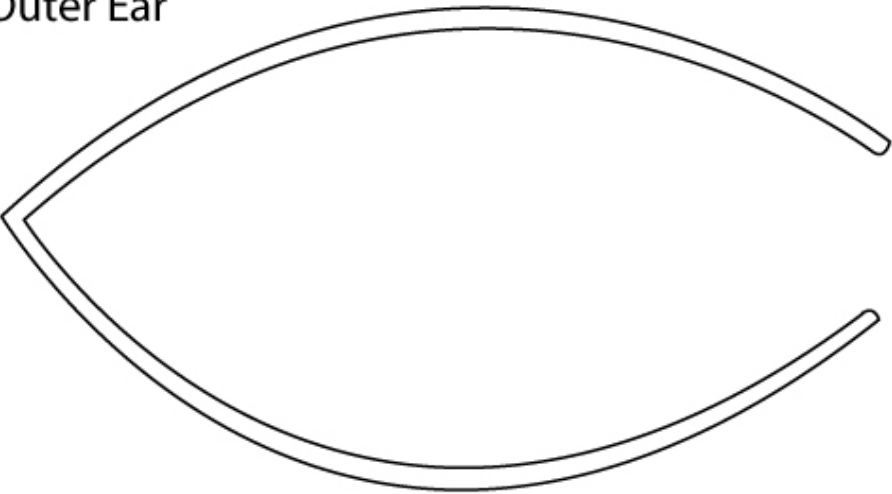
Template 3



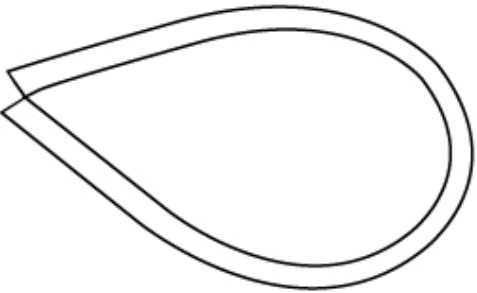
Template 4A



Template 4B  
Outer Ear



Template 5  
Inner Ear



**Design Pack:** Rudolph Christmas Card Holder - Template Sheet

Template 7

Template 8  
Antler Arc

