

# Box Project 1

So let's apply the techniques we've covered so far and use them to create a jointed box.

Step 1

Draw a rectangle.



Step 2

Size the rectangle to 10mm long by 3mm tall

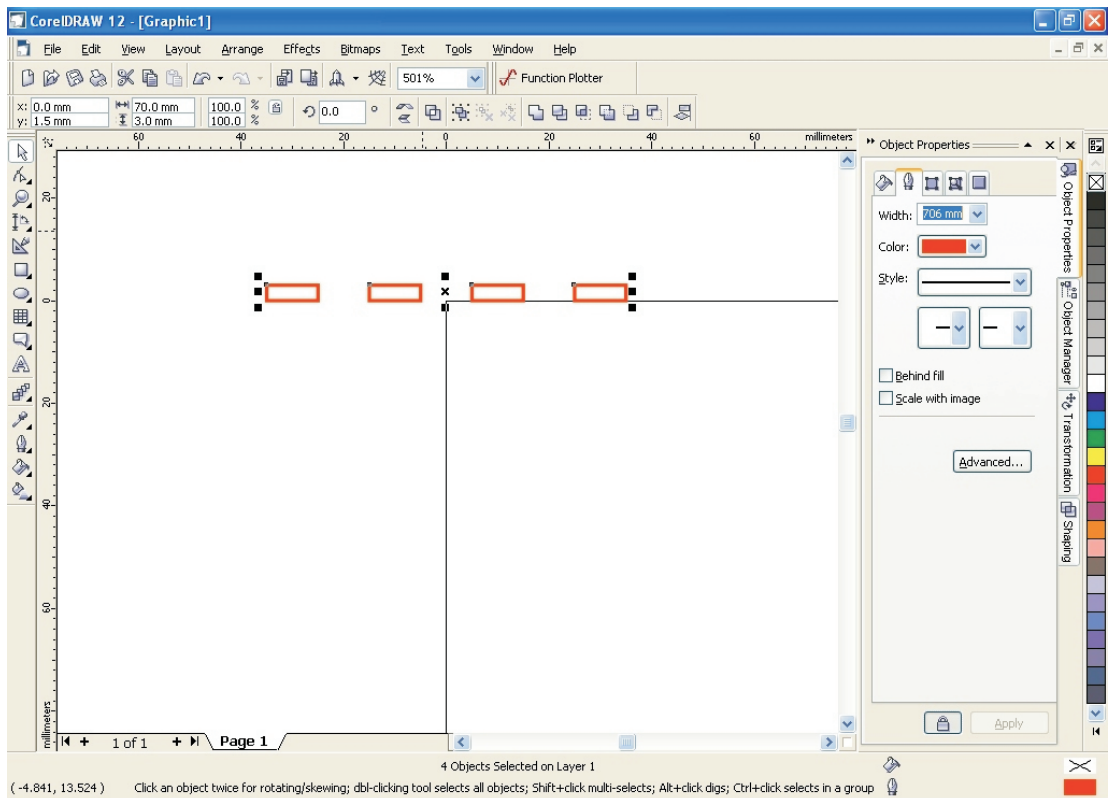
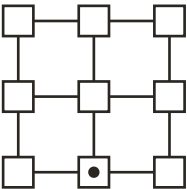
Step 3

Select the rectangle and using the **Relative** positioning tool enter 20mm and click Apply to Duplicate 3 times



Step 4

Uncheck the Relative tick-box and click the bottom centre radio button. Select the 5 rectangles and enter a value of H:0.0 and V: 0.0 and click Apply.



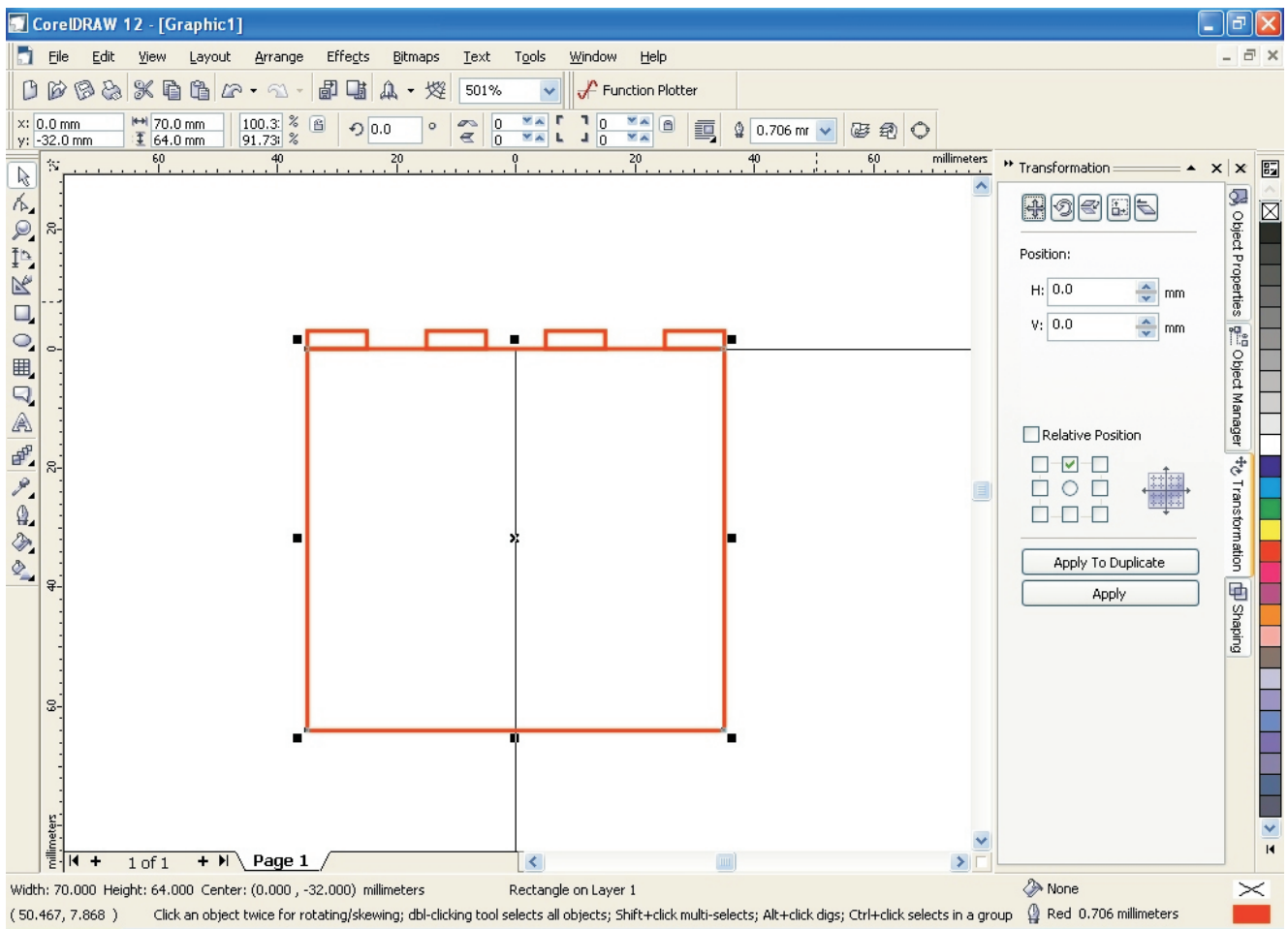
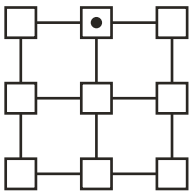
## Box Project 2

### Step 4

Draw another rectangle and set the size to be 70mm x 64mm

### Step 5

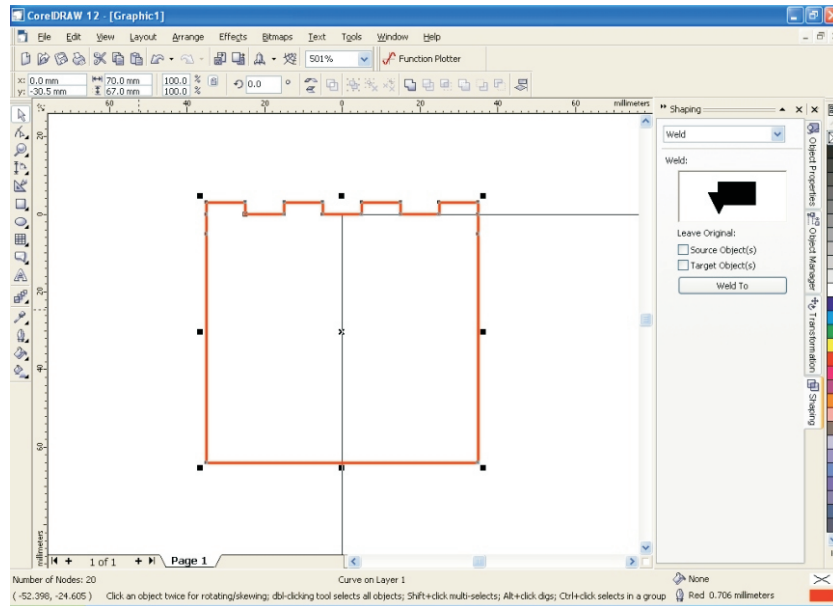
Set the anchor point in the position tool to be the top centre.  
Enter a value of H: 0.0 and V: 0.0 and click Apply



## Box Project 3

### Step 6

Select the 4 small rectangles and copy to the clipboard (Ctrl=C) or Edit - Copy  
In the Shaping Docker click Weld and touch the arrow cursor on the large rectangle.

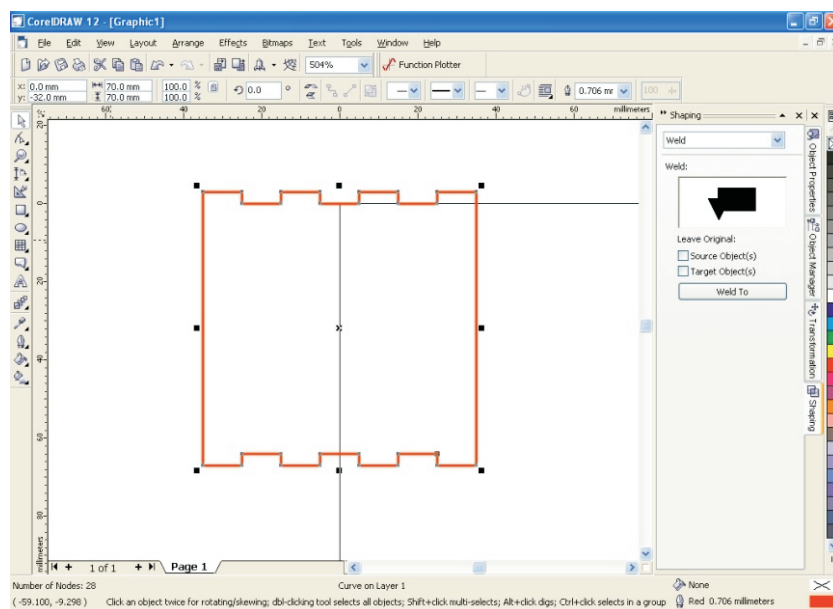


### Step 7

Using the Rotate tool, enter a value of 180 degrees and click Apply.  
Now position the top centre of the object to H: 0.0 and V: 0.0

### Step 8

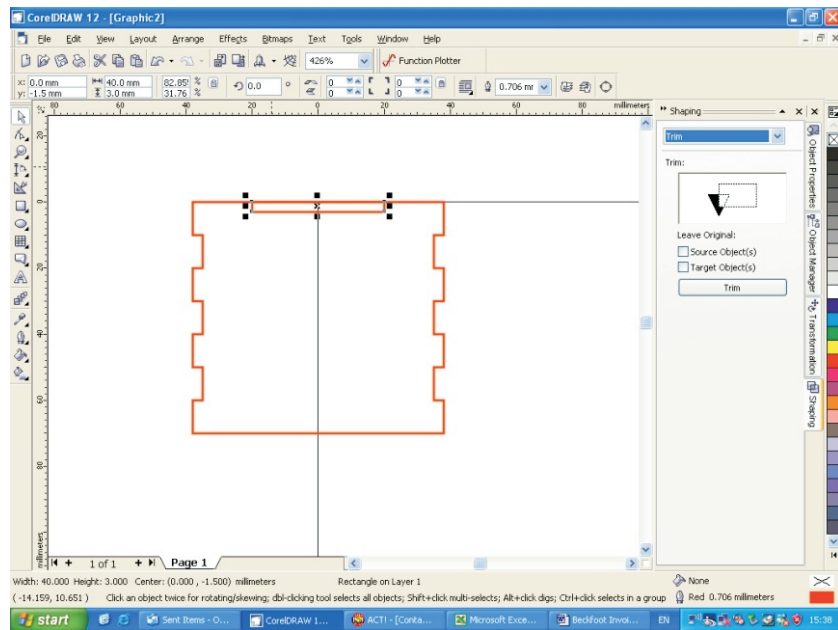
Paste the 4 rectangles held on the clipboard and Weld these to your object



## Box Project 4

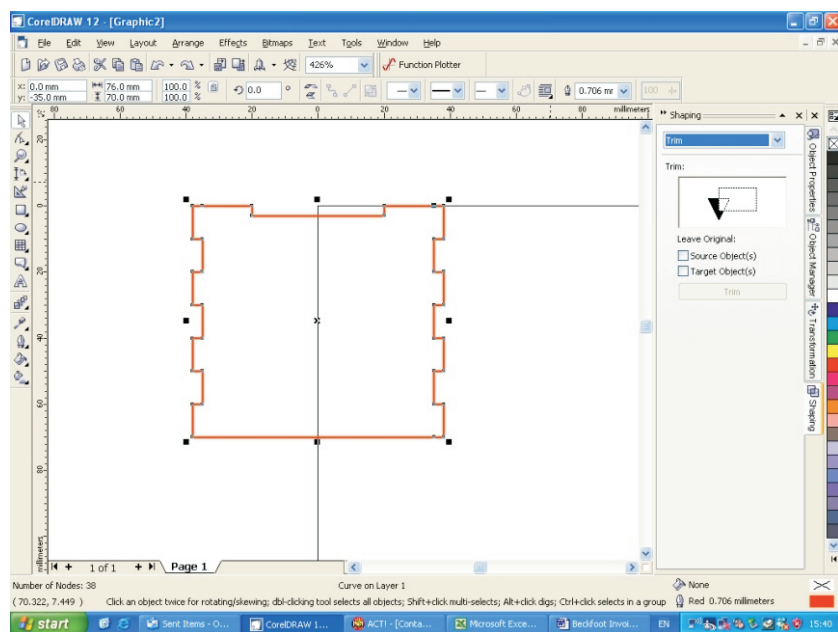
### Step 9

Using the Rotate tool, enter a value of 90 Degrees and click Apply.  
Position the top centre to H:0.0 V:0.0 and click Apply  
Draw a rectangle and set the size to H:40mm and V: 3mm  
Position the top centre to H:0.0 V:0.0 and click Apply



### Step 10

Copy this to the clipboard then Trim it to the other object.



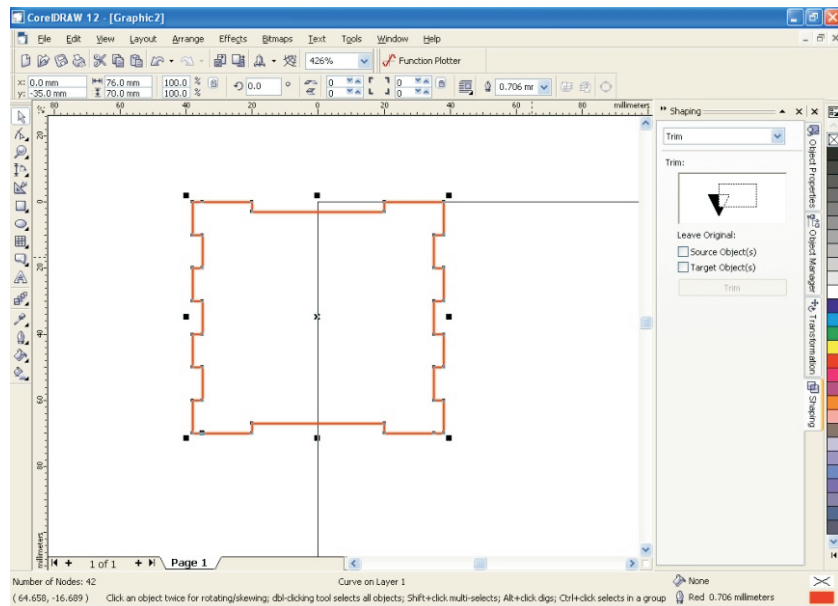


## Box Project 5

Step 11

Rotate the object 180 degrees

Paste the rectangle from the clip board and Trim this to the other object.



We have now completed 1 side. The opposite side will be identical.  
Move the object away from the zero-zero point ready for the next part.

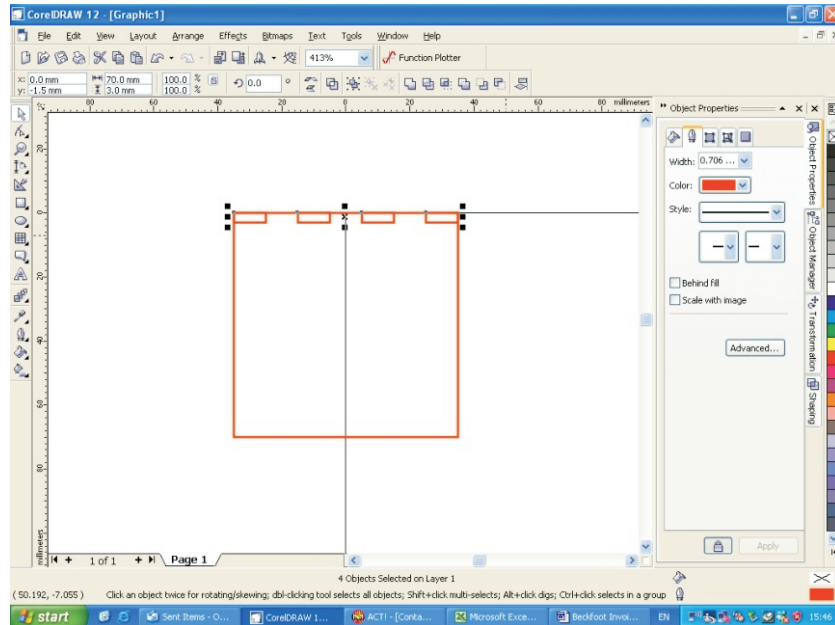
## Box Project 6

### Step 12

Create 4 rectangles as we did in Steps 1 - 4 and position them so that the top centre is at H: 0.00 V: 0.00

Create a rectangle and set the size to be 70 x 70mm

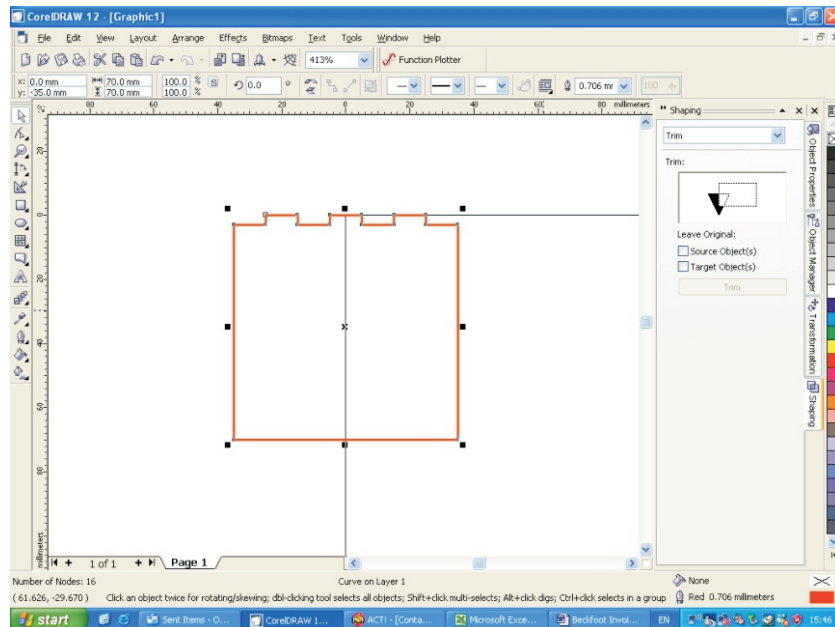
Position this rectangle so that the top centre is at H: 0.00 V: 0.00



### Step 13

Select the 4 smaller rectangles and copy these to the clipboard

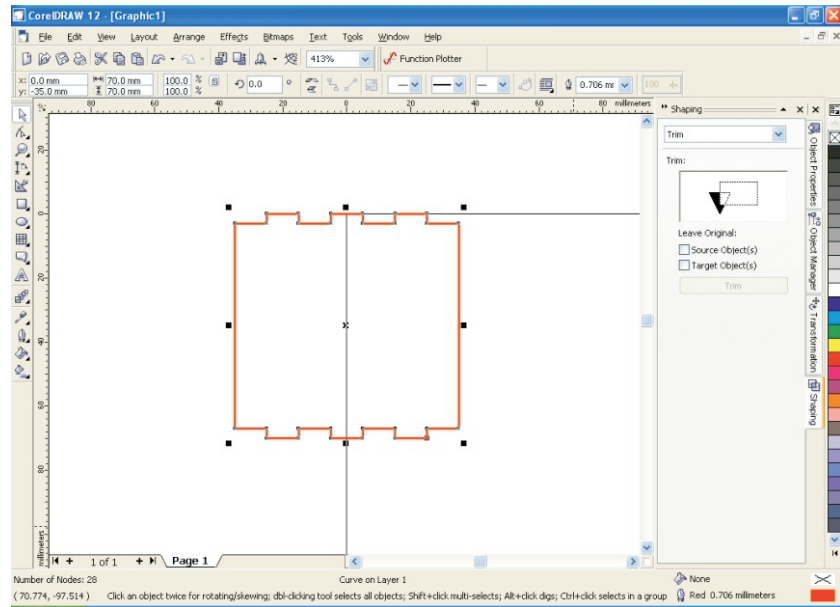
Trim these to the larger rectangle



## Box Project 7

### Step 14

Rotate the object 180 degrees, copy the rectangles from the clipboard and Trim these to the other object.

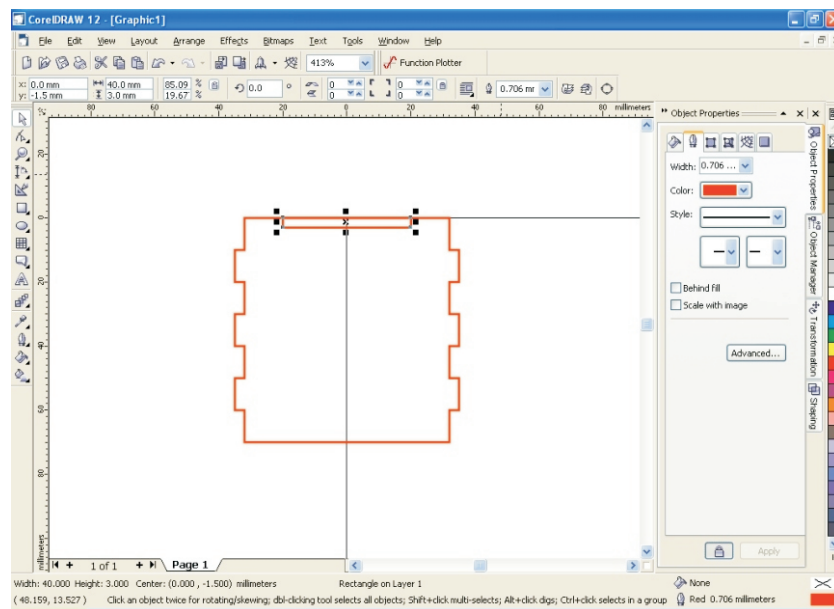


### Step 15

Rotate the object 90 degrees.

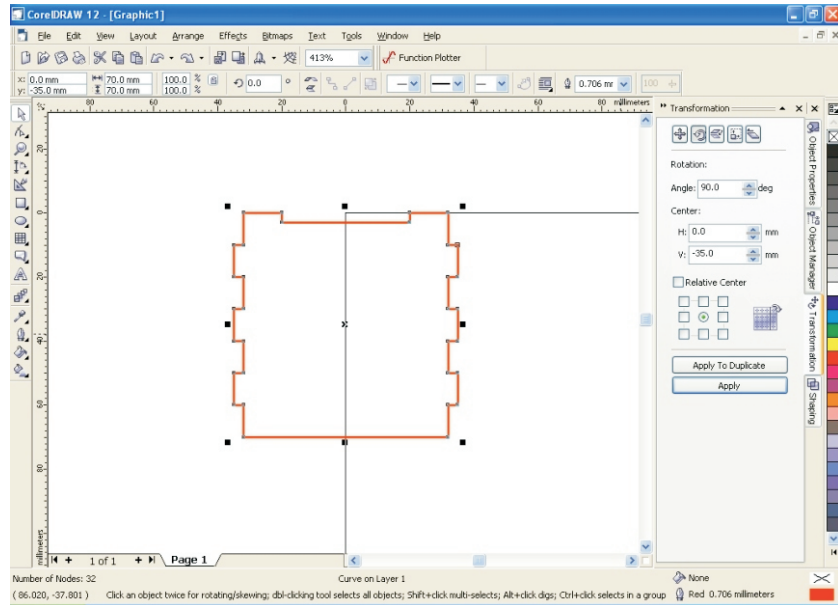
Create a rectangle and set the size to be 40mm x 3mm.

Position this rectangle so that the top centre is at H: 0.00 V: 0.00



## Box Project 8

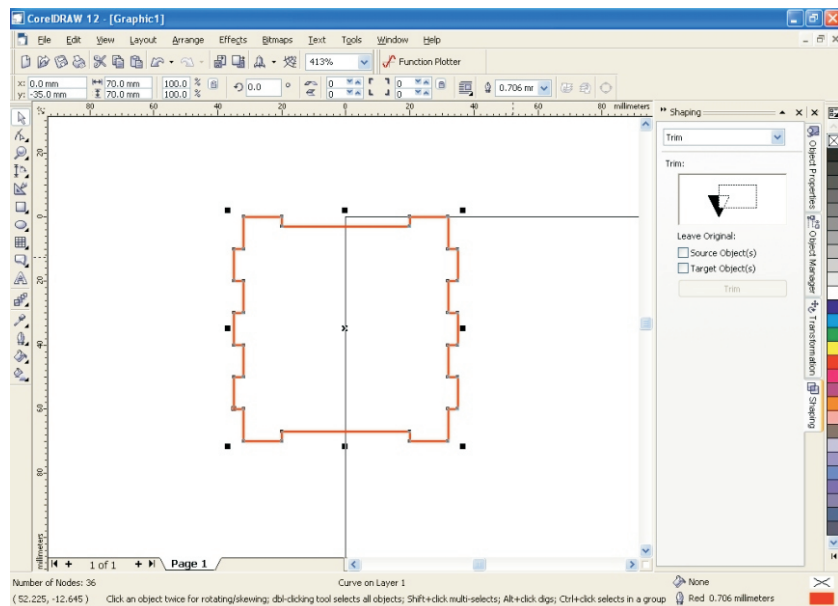
We now have a joint for the base



Step 16

Rotate the object 180 degrees.

Paste the rectangle from the clipboard and Trim this to the other object.



We now have a side that will joint into the first side we made.

Again, the opposite side will be identical.

Move this piece out of the way ready for the top and bottom pieces

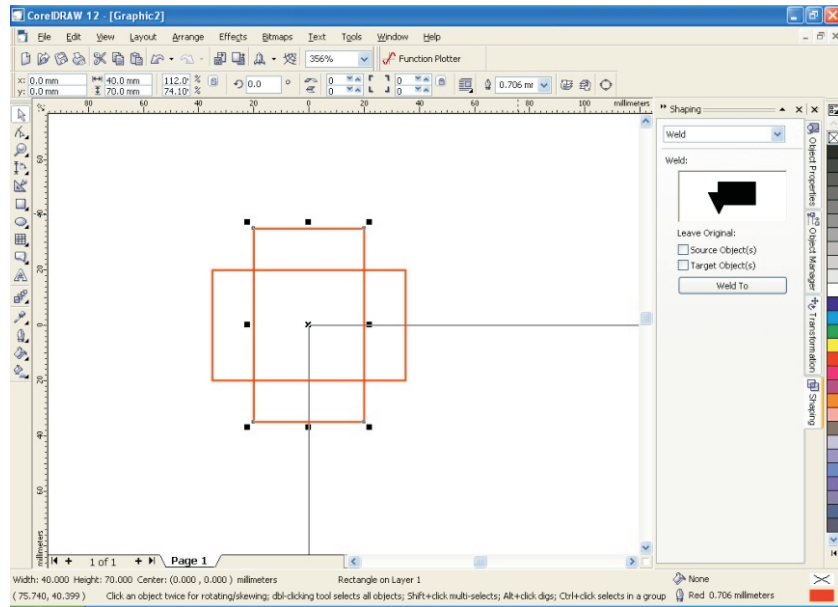
## Box Project 9

### Step 17

Create a rectangle that is 40mm x 70mm

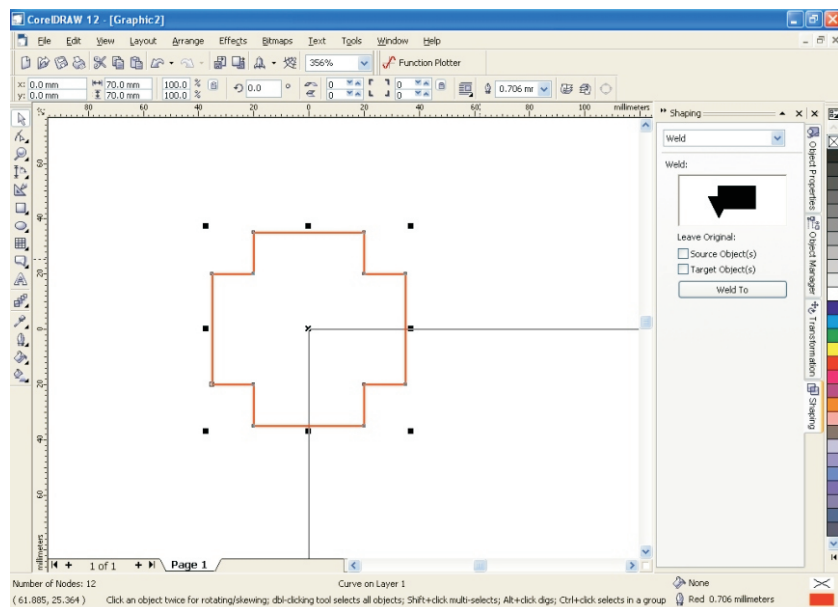
Position this so that the **Centre** is at H: 0.00 V: 0.00

Rotate 90 degrees **THIS TIME CLICKING Apply to Duplicate**



### Step 18

Weld the second rectangle to the first.

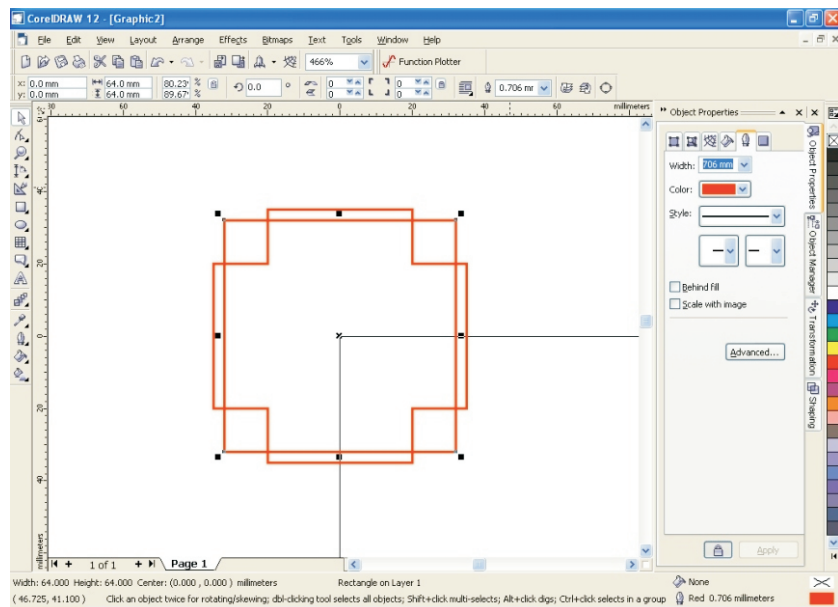


# Box Project 10

## Step 19

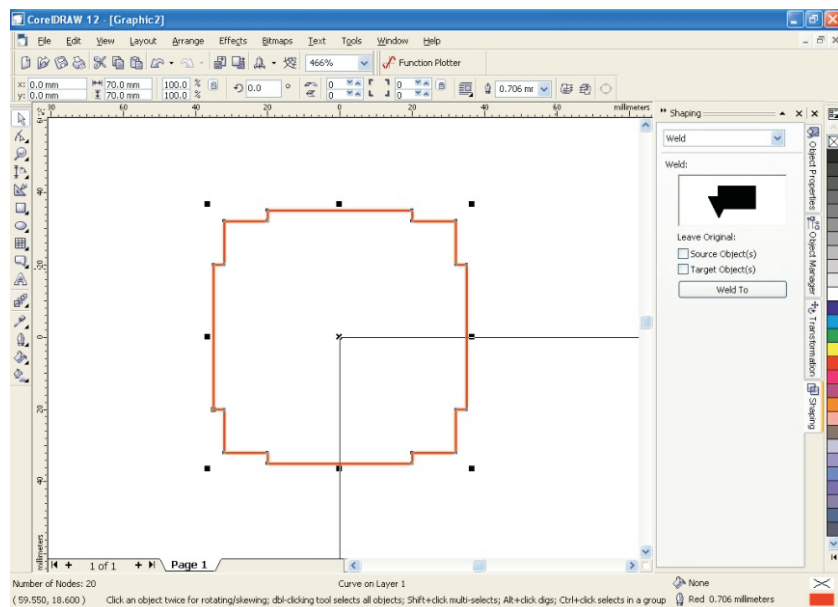
Create a rectangle that is 64mm x 64mm

Position this so that the Centre is at H: 0.00 V: 0.00



## Step 20

Weld the rectangle to the other object.

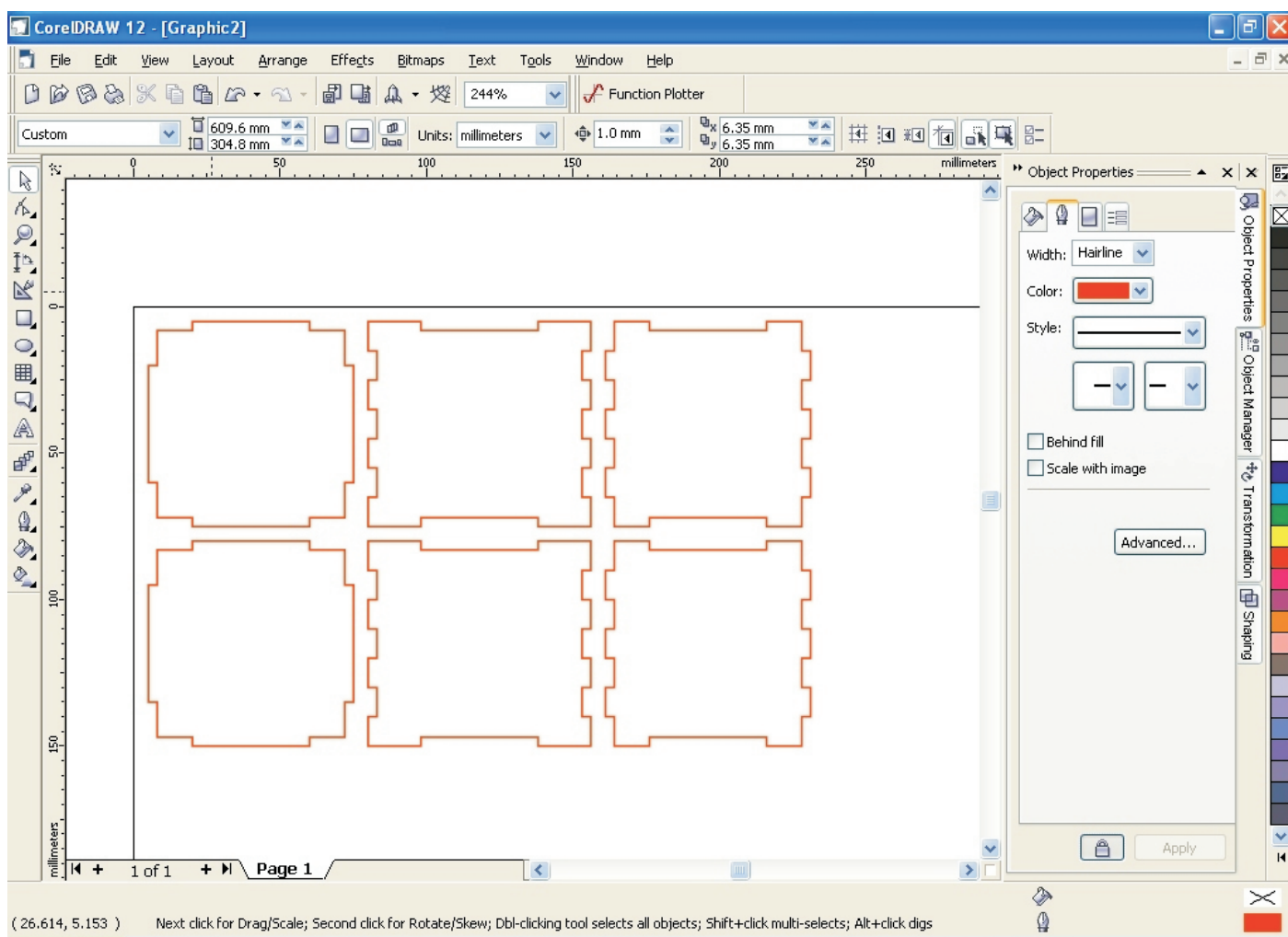


We have now completed the top piece.

## Box Project 11

### Step 21

All that remains now is to position the 3 pieces we have drawn so that they are aligned with each other and duplicate them.



Position the parts within your graphic where you wish them to be cut and save your graphic.