

Garden coach plant holder Theresia plan



Plan for the garden coach in front of you, is a scale version of the farm vintage wheeled vehicle, drawn by horses in some regions of Austria-Hungary in 18th and 19th century.

The carriage was given the name of Maria Theresa, the most famous and capable ruler of the Habsburg Monarchy. We got the inspiration for the drawing from our childhood memory - an old wooden coach that Grandfather used when we were kids. The construction of the vehicle has been preserved well enough to allow us to make its reduced model. Carriages like these in full size today represent interesting decorations in yards, ethno houses and restaurants all over Europe. We have decided to offer one to you in reduced size, adjusted to (not only) women to keep their flower pots on it and thus decorate their yards, patios, terraces, etc.

Perhaps this project seems to be a complex one, but if you look at the drawings you will find that it consists of many parts the making of which actually does not require too much effort since they are of rather simple shapes. The woodworking joints in the project are not too complex, therefore you will need an averagely equipped workshop, basic knowledge of carpentry, as well as your goodwill to persevere and be precise on this project. Eventually you will be rewarded for your efforts by getting a beautiful decorative garden coach in your yard; the photos we took in our backyard will serve you as additional motivation. Such a beautiful garden decoration demands of you to find the right place for it and choose some flowerpots with beautiful flowers, and that is all! Any mistake is almost impossible to make!

In order to make it easier for you, we have divided the entire assembly into 8 sub-assemblies.

1. Wheel
2. Base
3. Bottom
4. Side
5. Back side
6. Front side
7. Joint
8. Side mirror

For each sub-assembly, we have prepared the drawings of each part, the drawing of the sub-assembly, its exploded view and the parts list. The plan also contains a drawing of the main assembly of the coach and its exploded view. All the necessary dimensions and views to understand and follow the instructions during the assembly process are given on each of the drawings.

This is a big project which, regardless of the type of wood used and the finish applied, should be protected from weather impacts and put aside to prevent the rotting of wood and thus make it more durable. Exposure to short-term summer rains is not as much a problem as long-lasting rain or weather conditions with temperatures below zero. If you place the carriage in the open air during summer, we recommend that you put some bricks (or the like) beneath the wheels as these will separate the wheels from the ground and allow faster draining of water and drying.

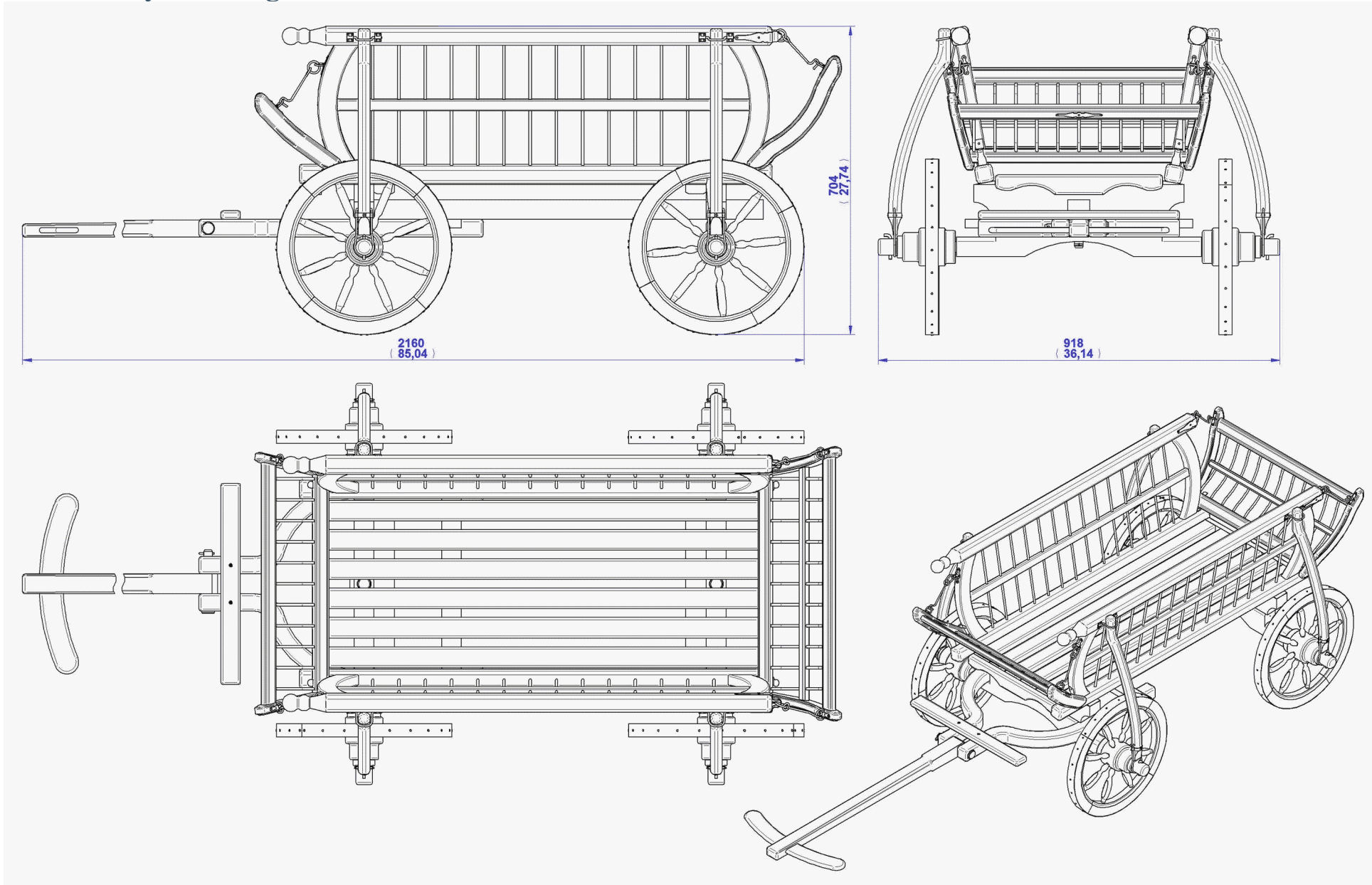
The coach can be completely disassembled into the mentioned sub-assemblies, so it can be easily moved. In addition, the wheels are fully functional and there is no need to disassemble it in order to be able to take a ride (or pull, push or turn it aside).

Subassembly List

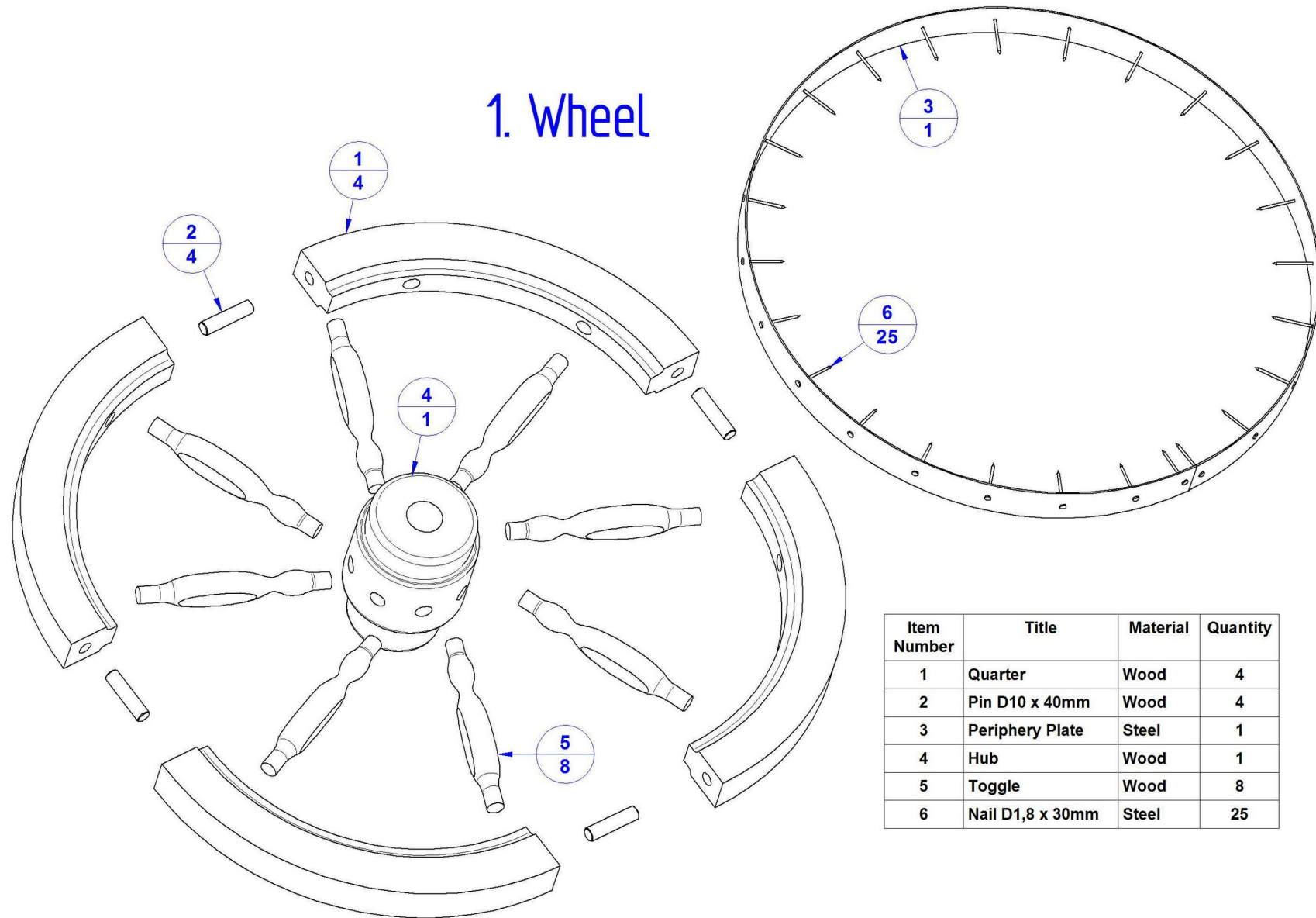


Item Number	Title	Quantity
1	Wheel	4
2	Base	1
3	Bottom	1
4	Side	1
5	Back Side	1
6	Front Side	1
7	Joint	4
8	Side Mirror	1

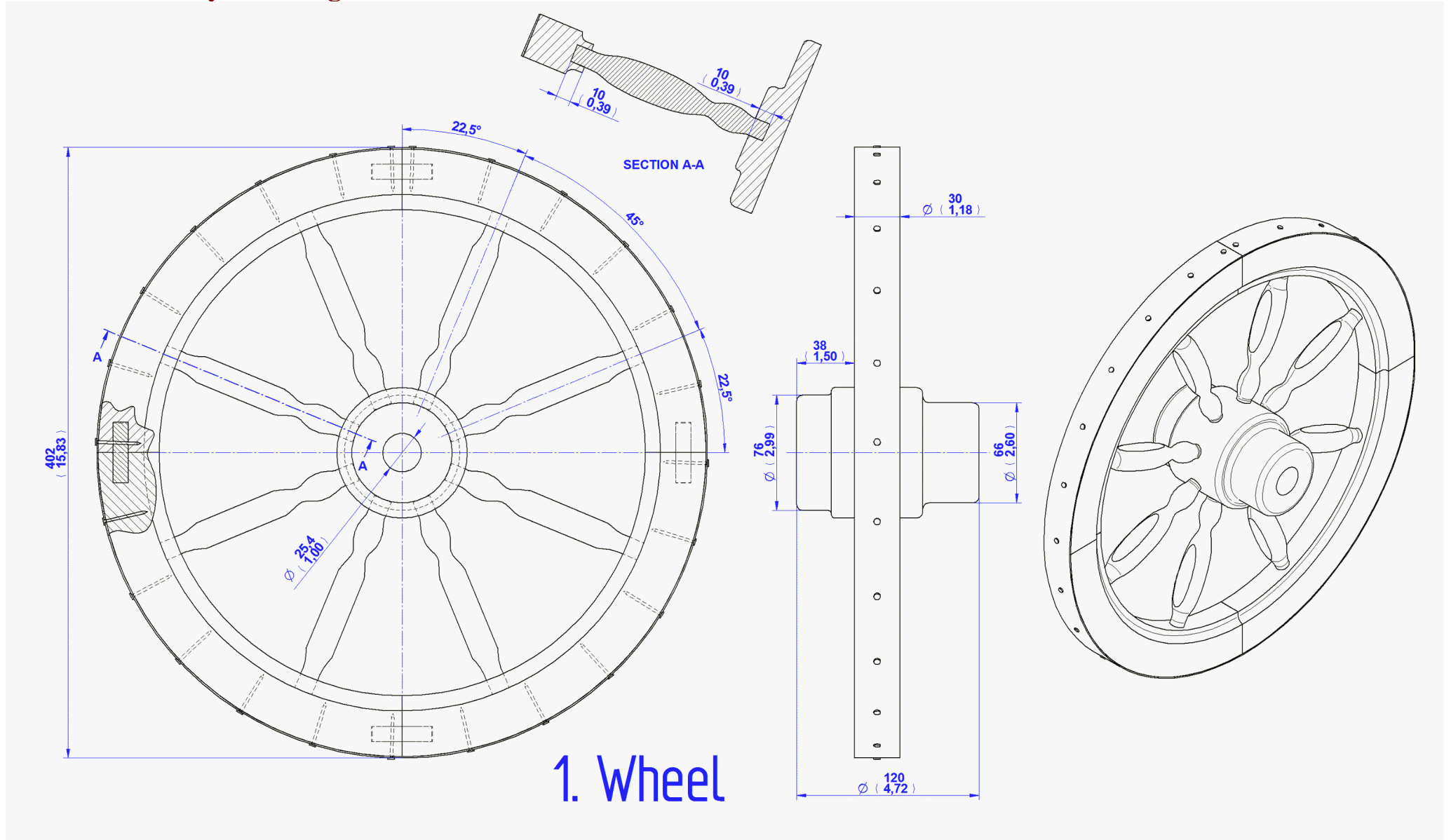
Main Assembly Drawing

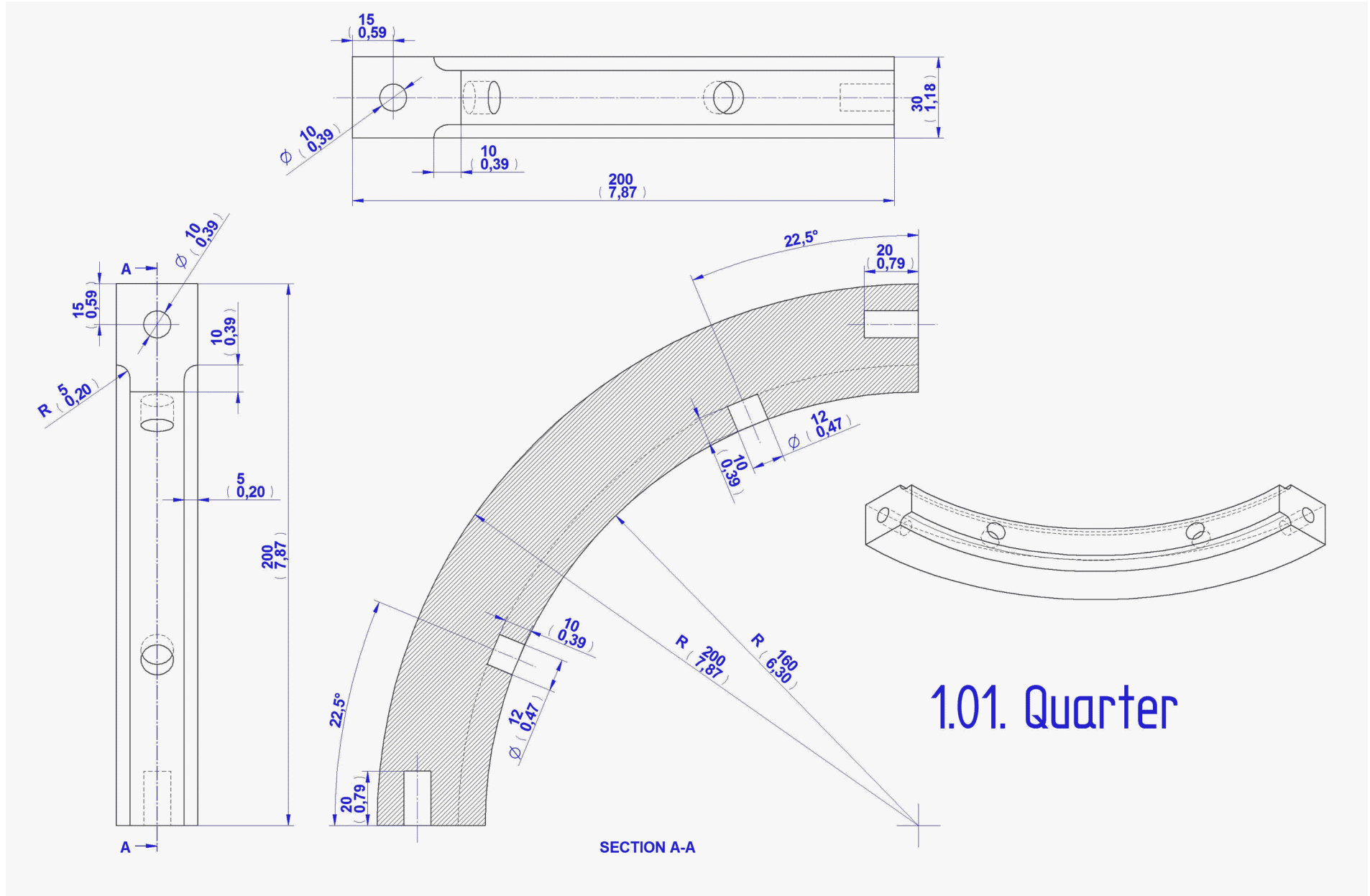


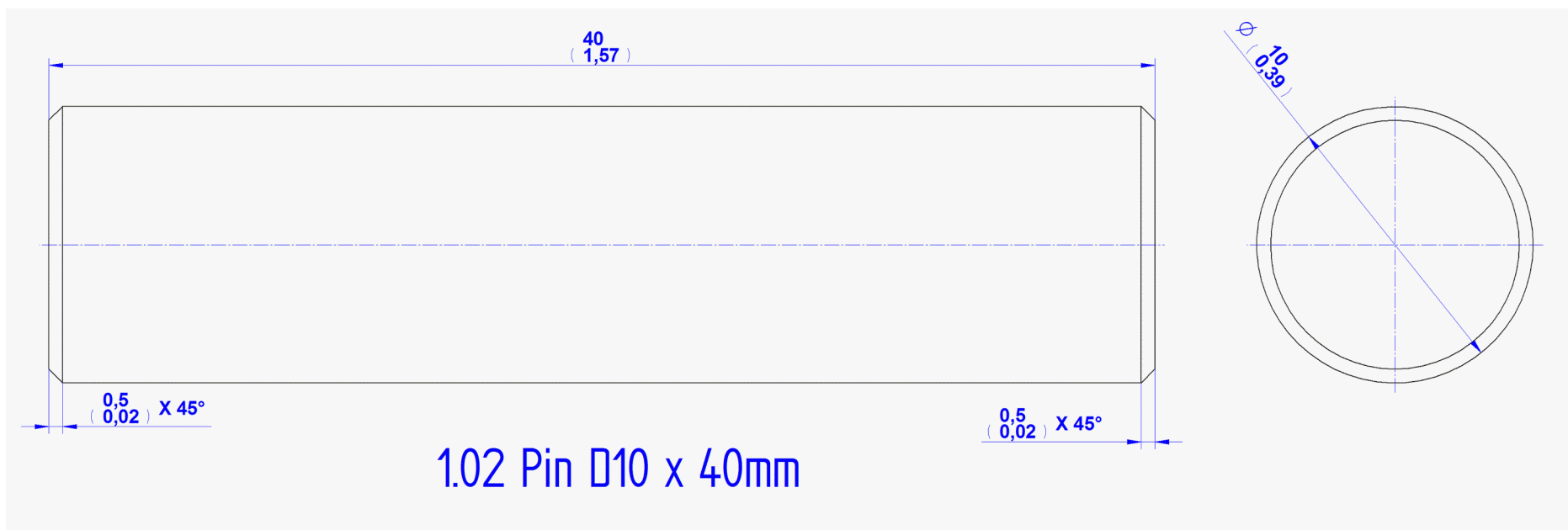
1. Wheel - Parts List

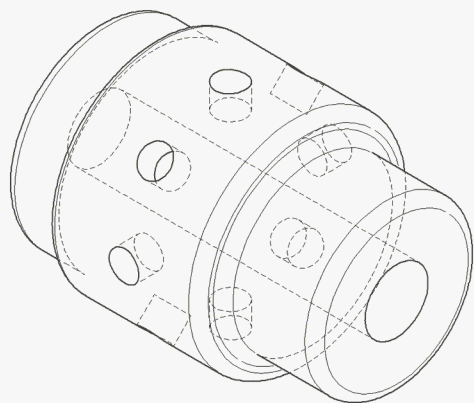
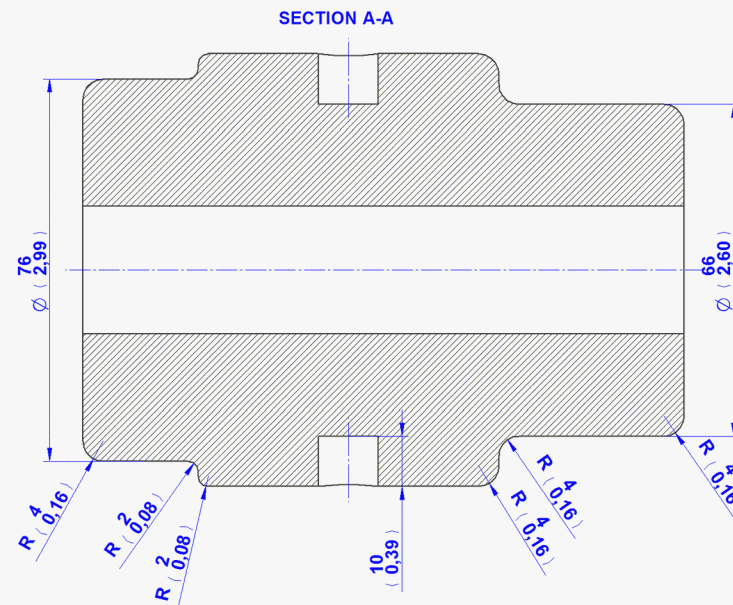
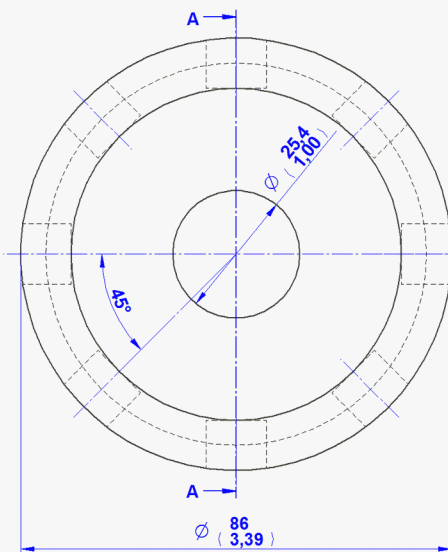
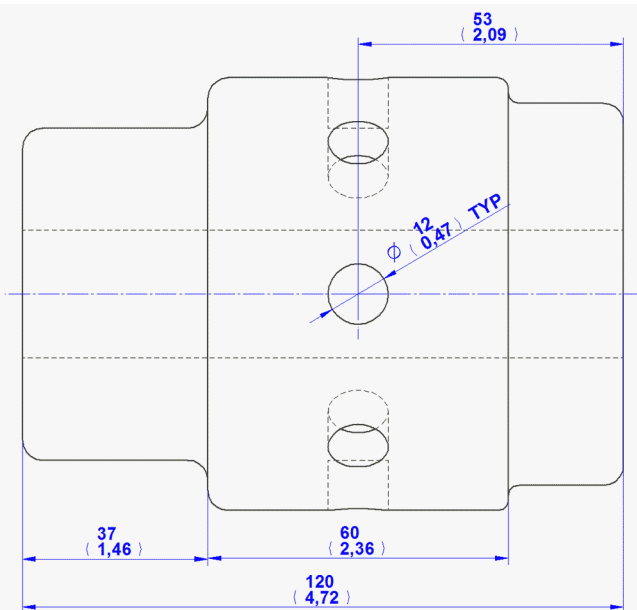


Wheel Suassembly Drawing

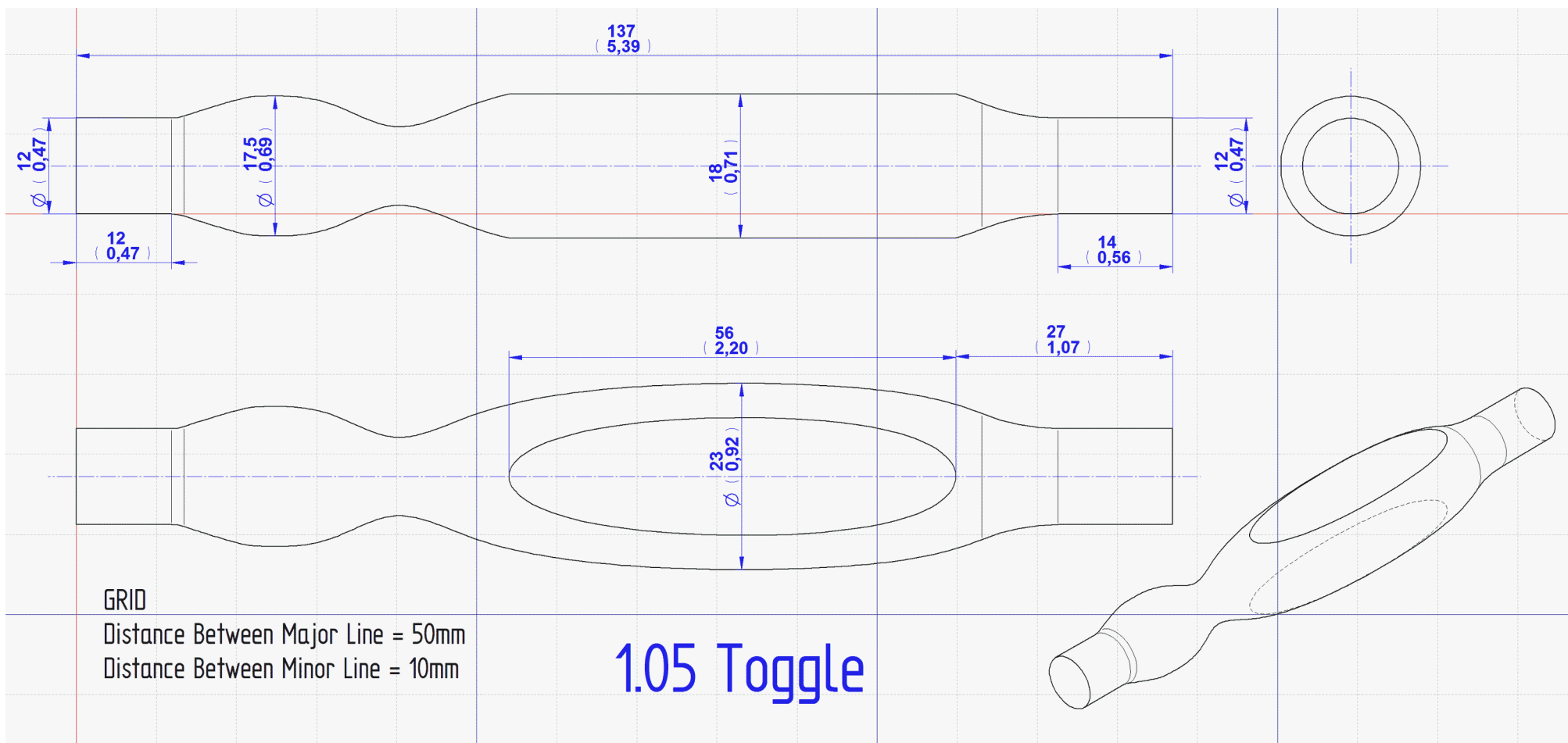


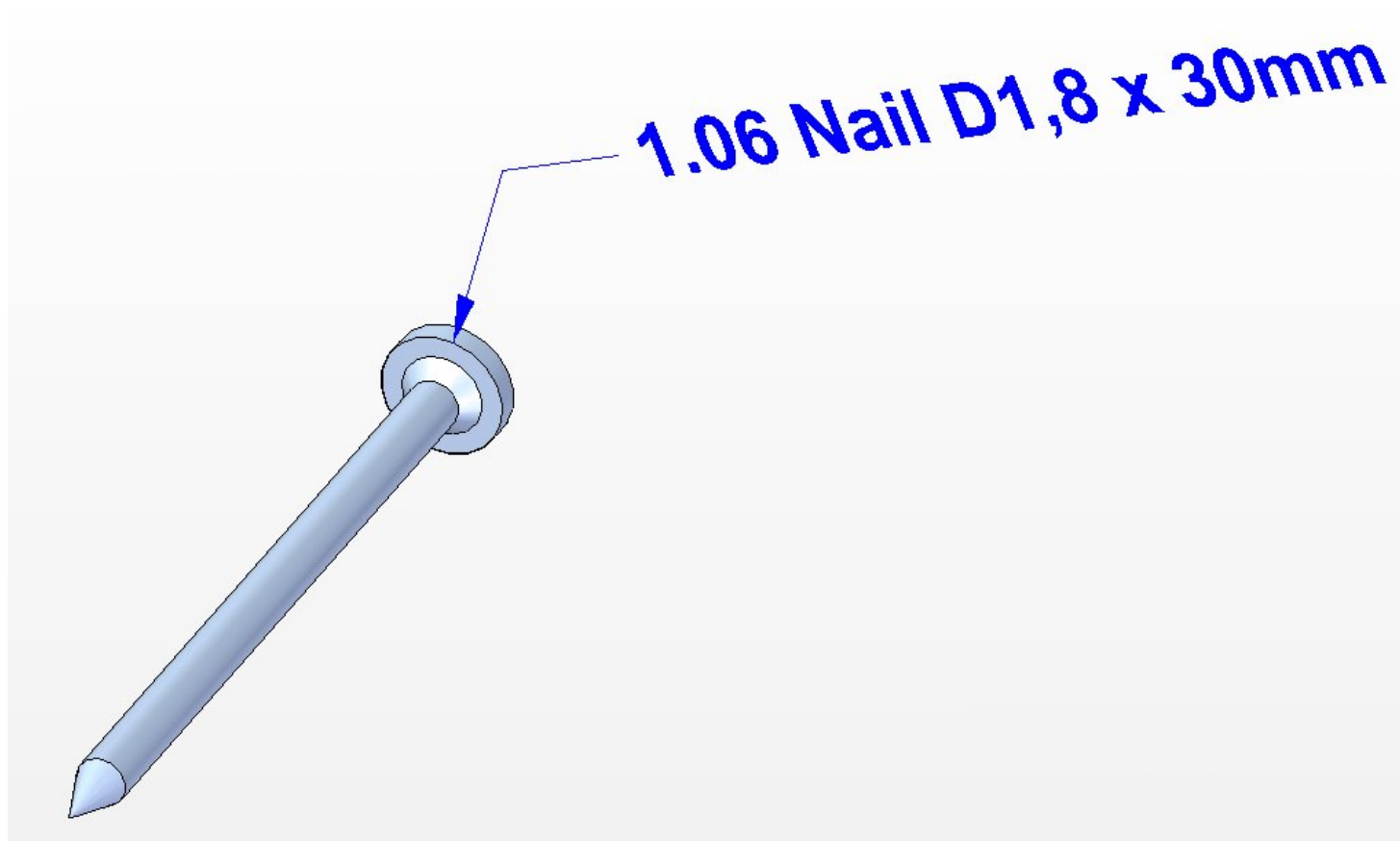






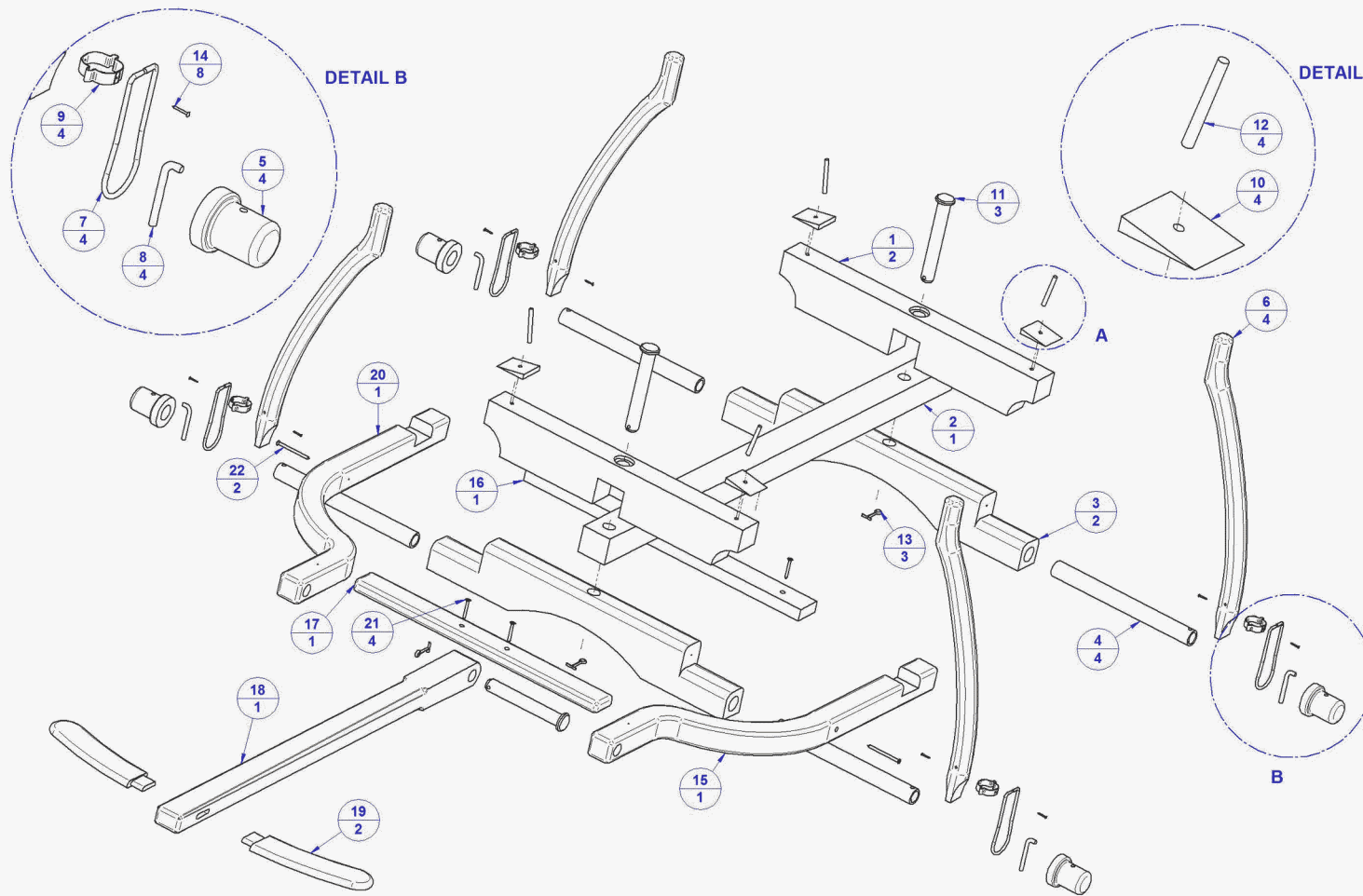
1.04 Hub





1.06 Nail D1,8 x 30mm

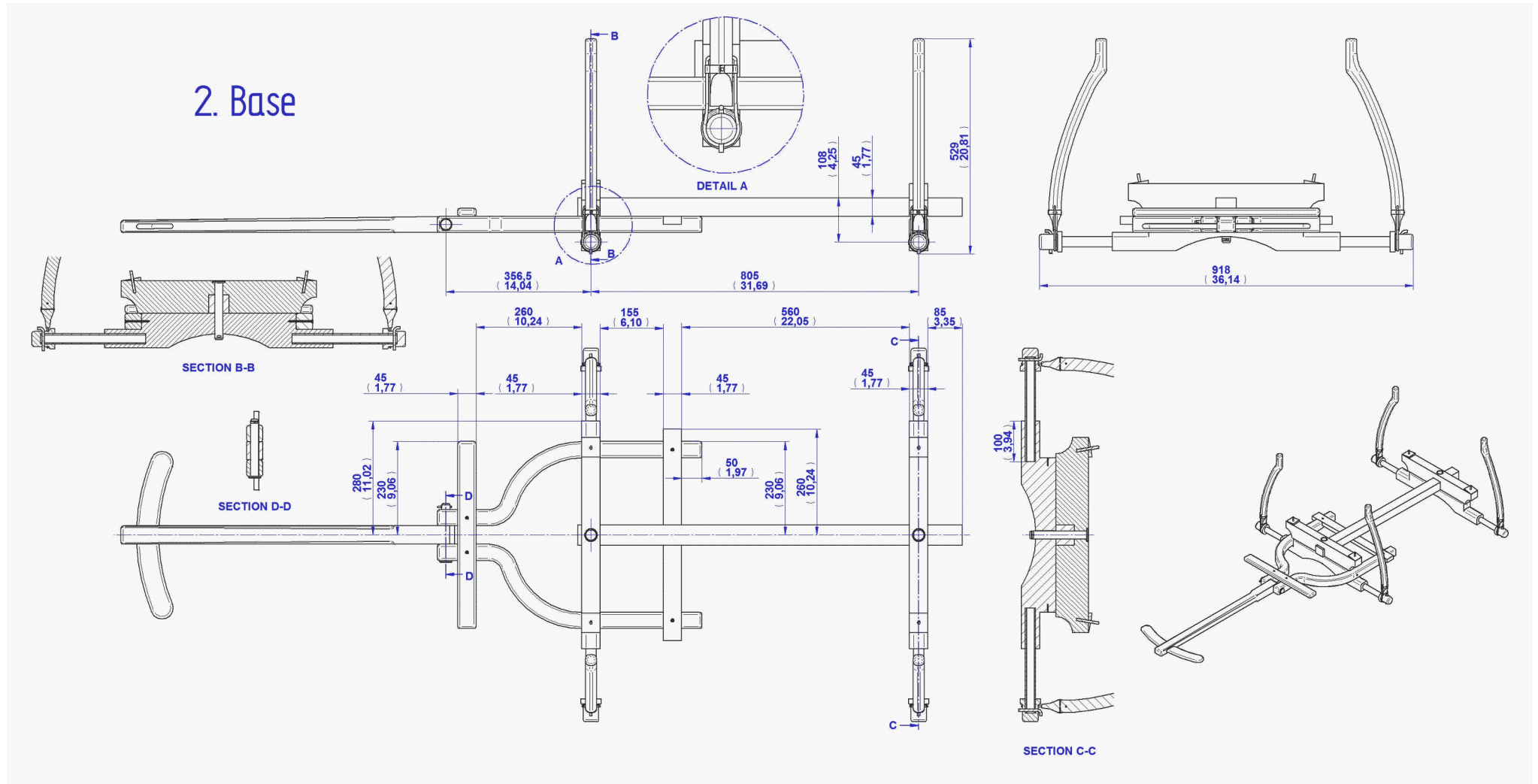
2. Base Subassembly - Parts List

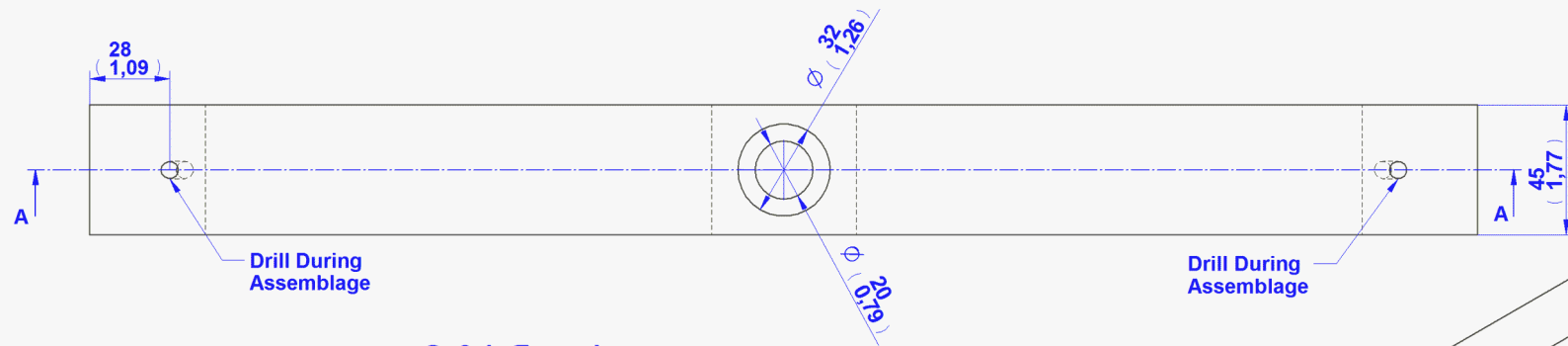
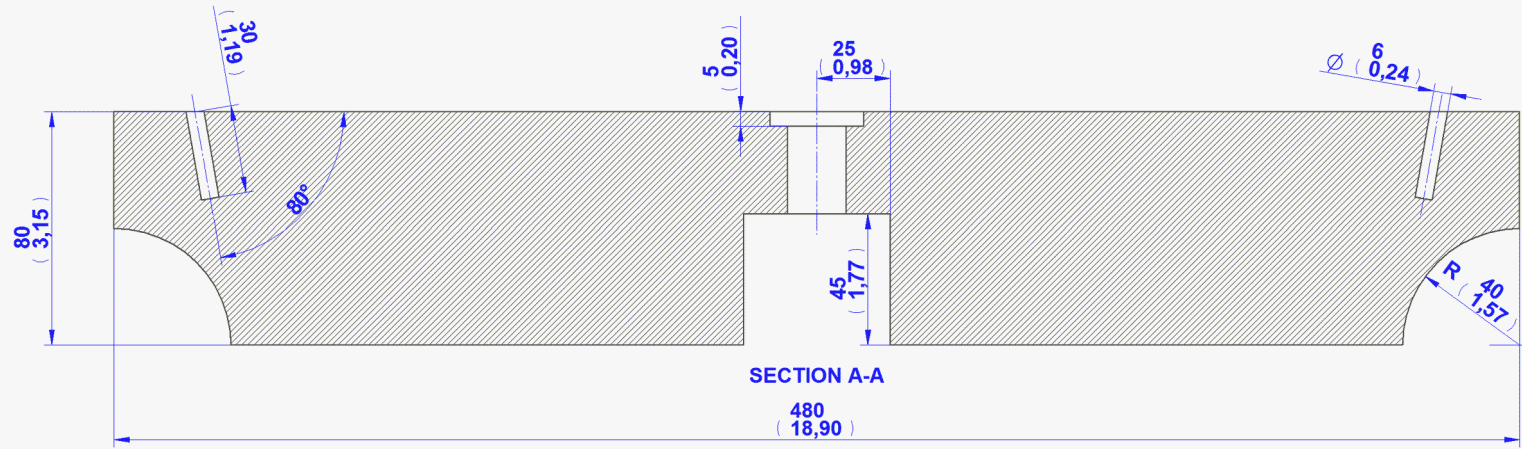


Item Number	Title	Material	Quantity	Category
1	Carrier	Wood	2	
2	Carrier Axle	Wood	1	
3	Axle	Wood	2	
4	Tubular Axle	Steel	4	
5	Axle Cover	Wood	4	
6	Leg	Wood	4	
7	Leg Holder Wire	Steel	4	
8	Pin D6mm	Steel	4	
9	Leg Holder Sheet Metal	Steel	4	
10	Limiter	Wood	4	
11	Pin D20 x 140mm	Steel	3	Standard Part
12	Side Support	Steel	4	
13	Split Pin D4 x 32mm	Steel	3	Standard Part
14	Tack D1,6 x 15mm	Steel	8	Standard Part
15	Curved Base Plank	Wood	1	
16	Back Base Plank	Wood	1	
17	Front Base Plank	Wood	1	
18	Pull Plank	Wood	1	
19	Handle	Wood	2	
20	Curved Base Plank Mirror	Wood	1	
21	Wood Screw D4x35mm	Steel	4	Standard Part
22	Wood Screw D4 x 60mm	Steel	2	Standard Part

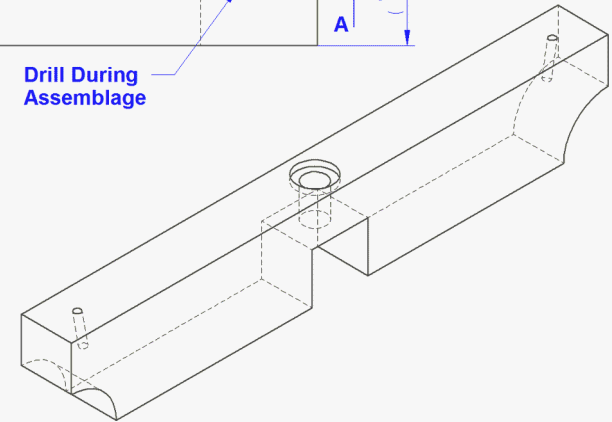
Wheel Subassembly Drawing

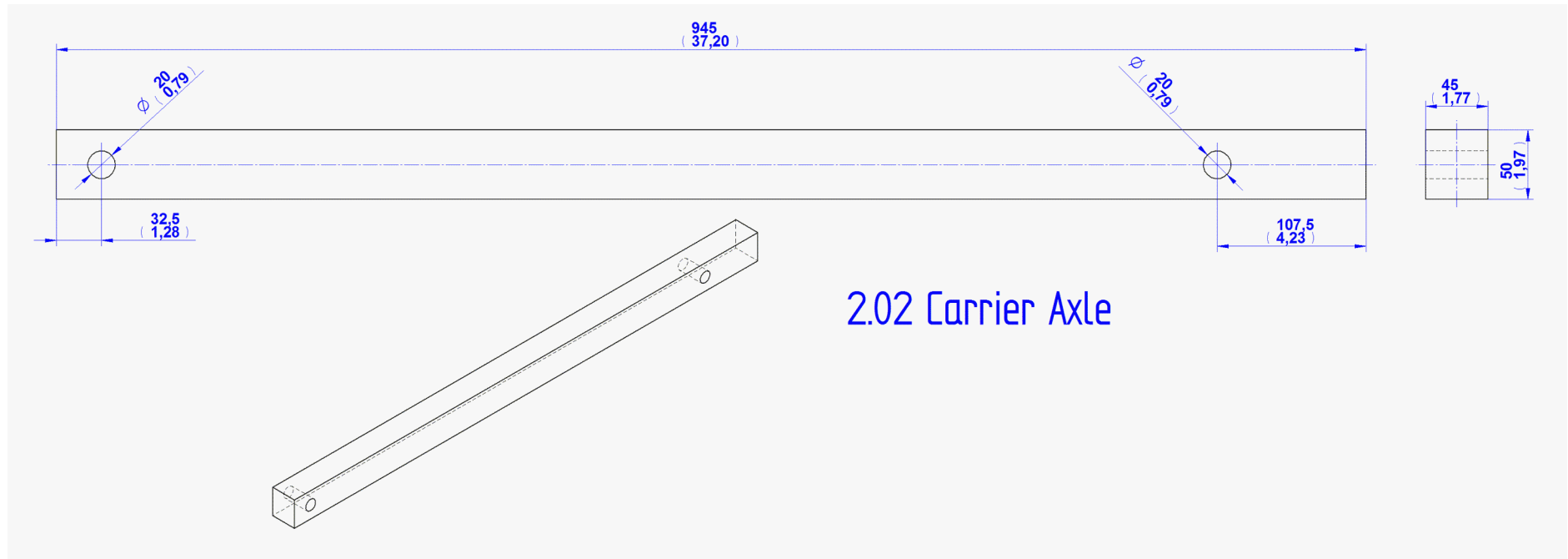
2. Base



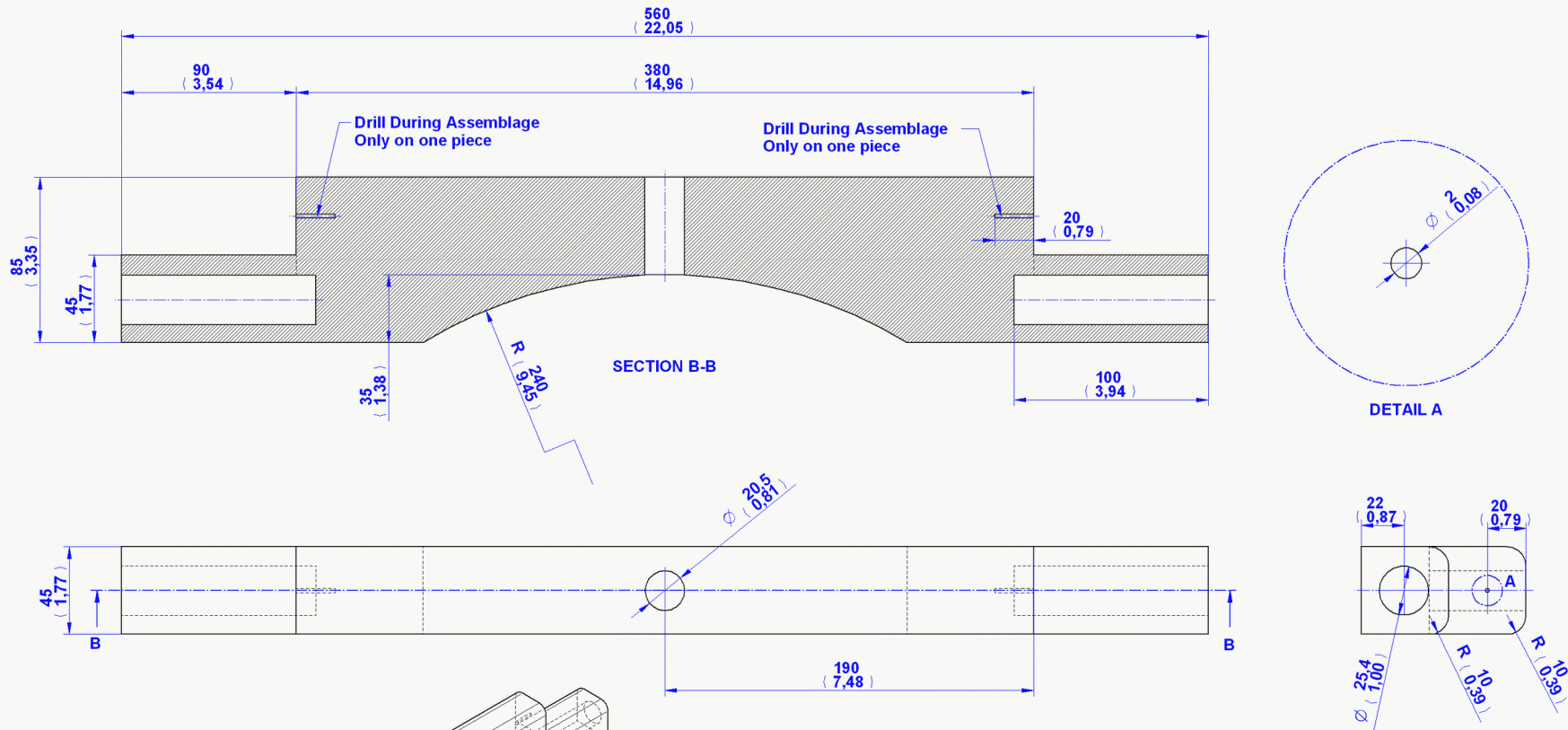


2.01 Carrier

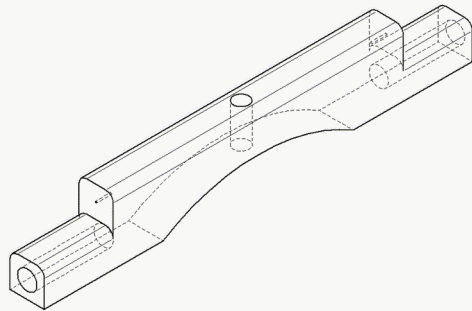


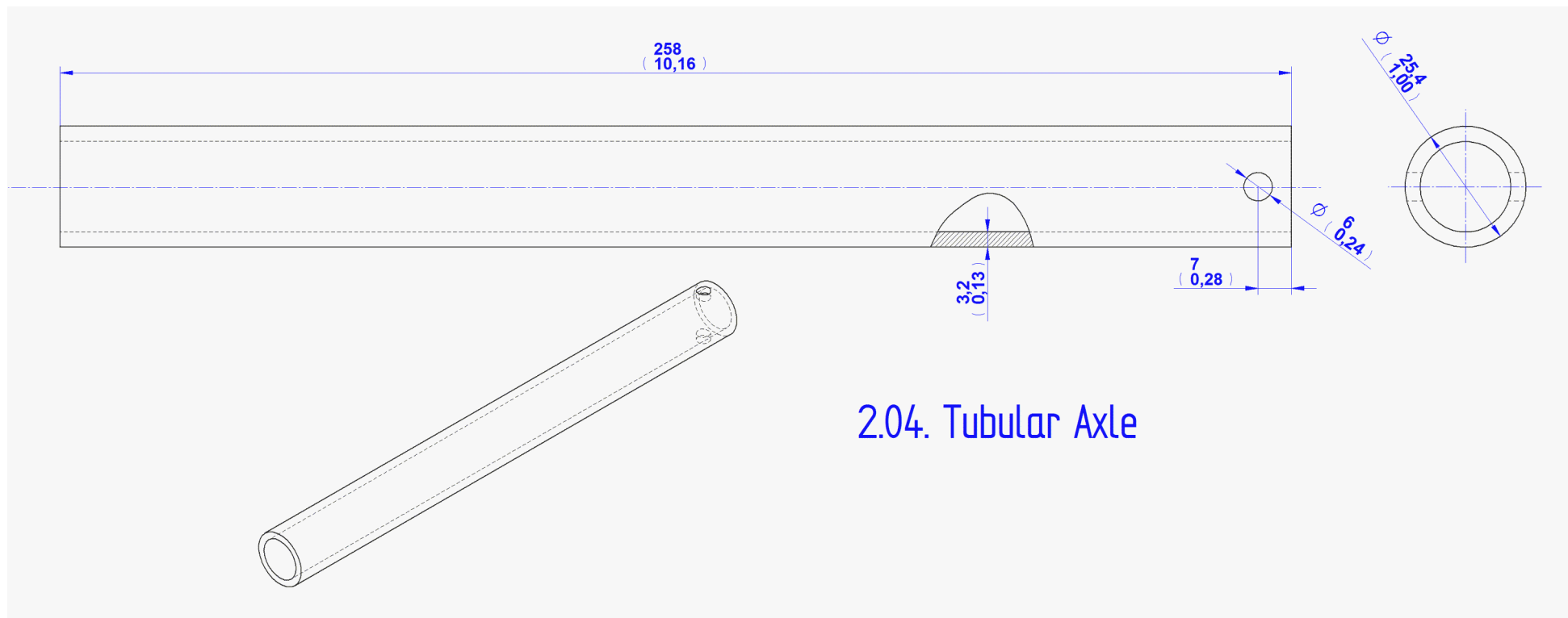


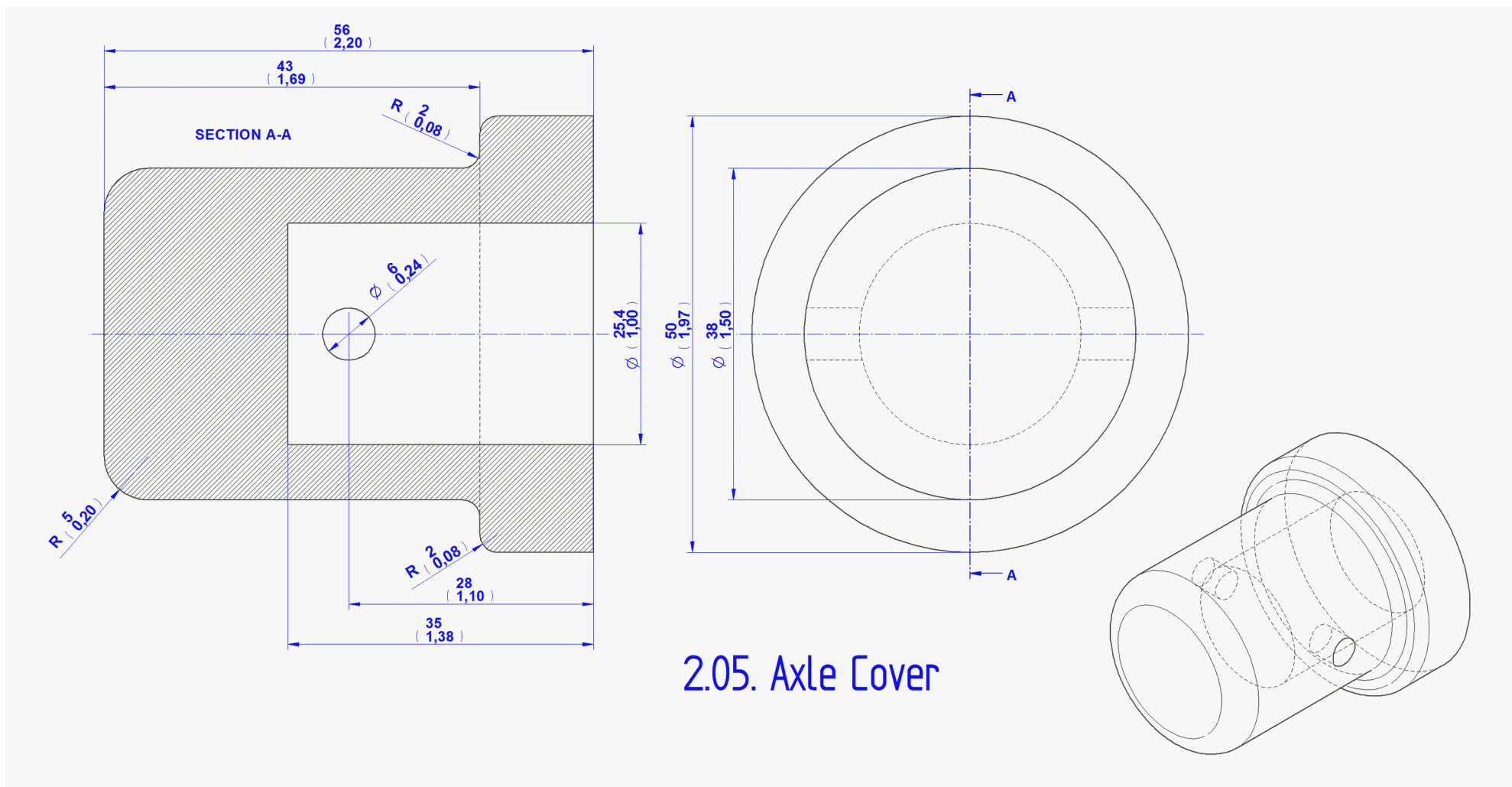
2.02 Carrier Axle

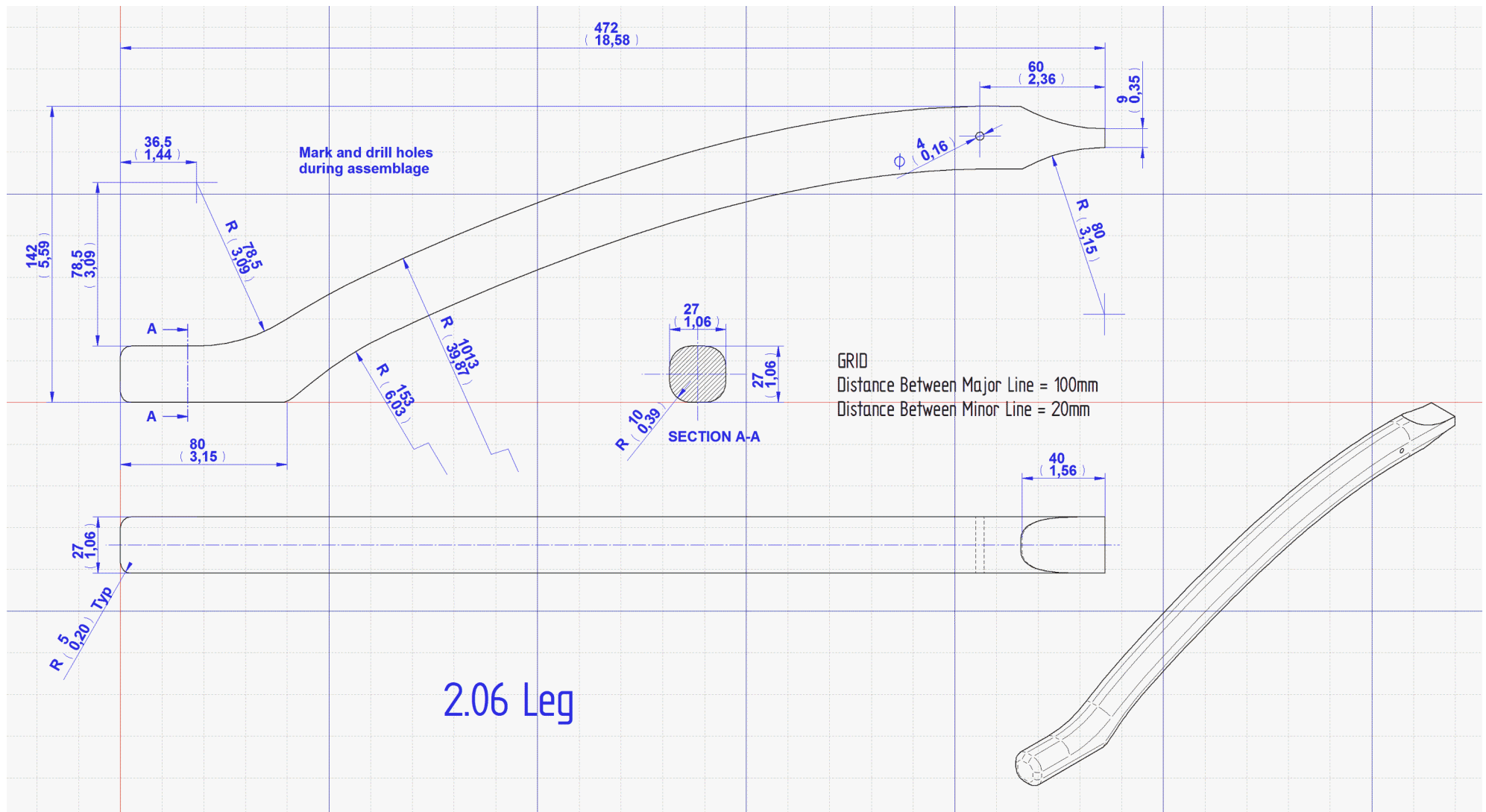


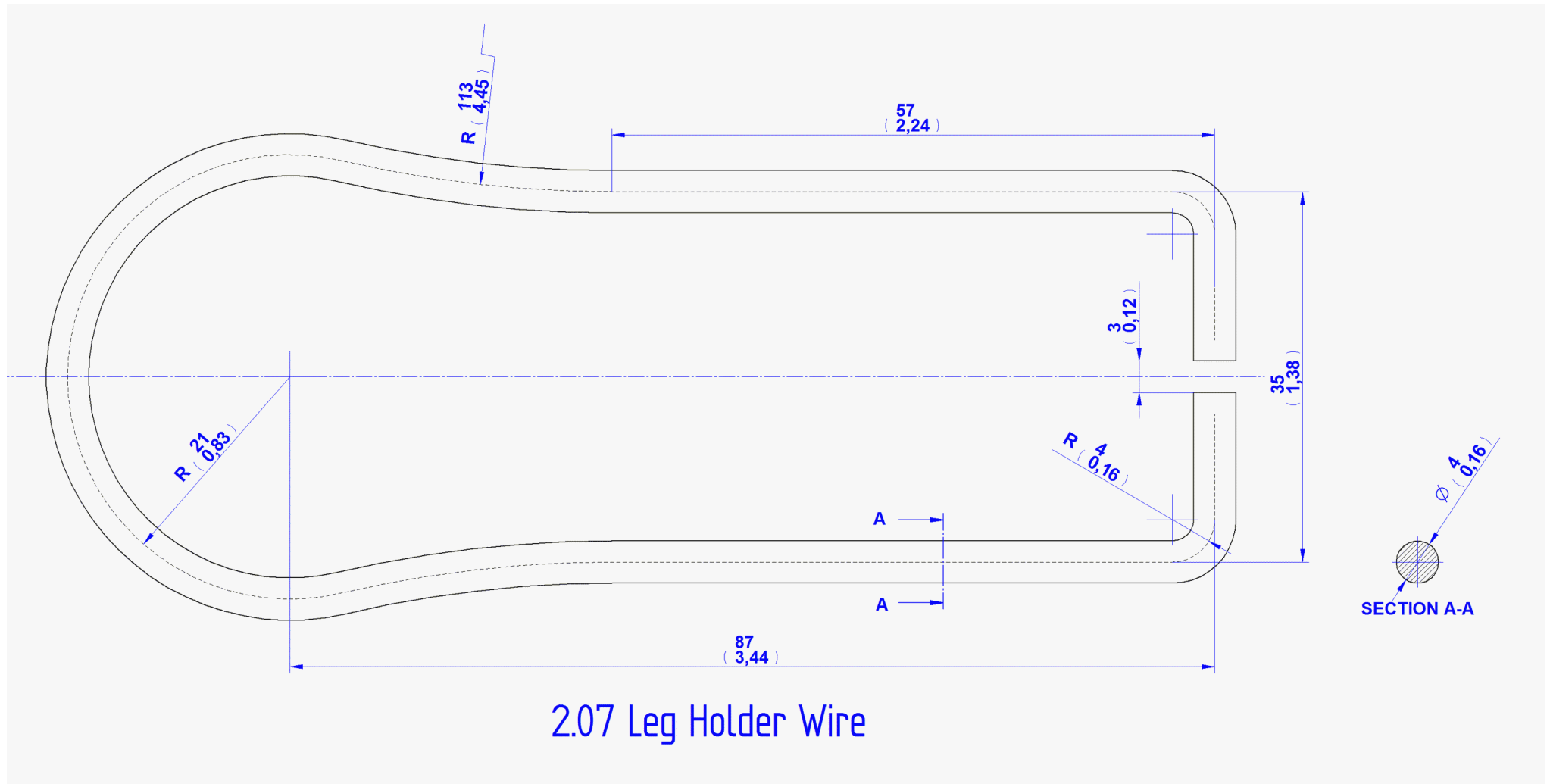
2.03. Axle

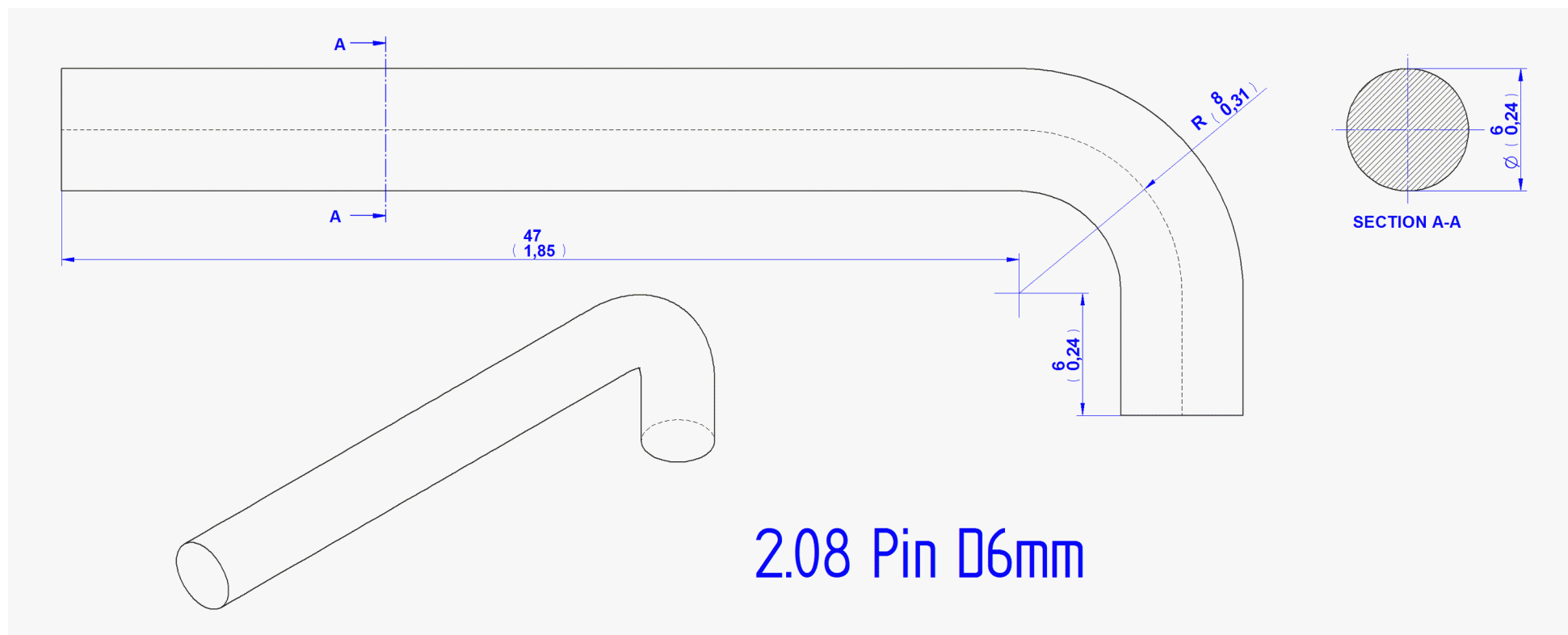


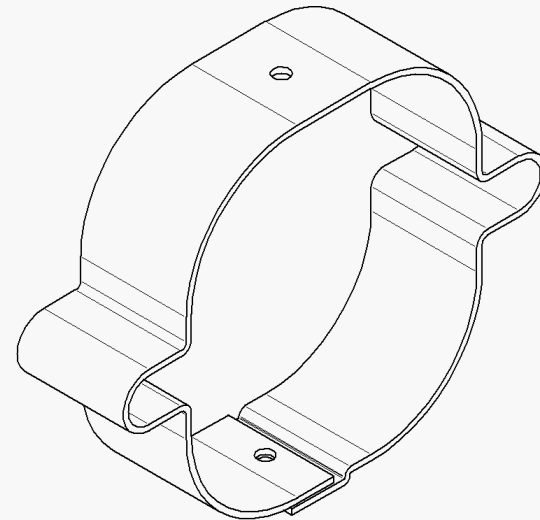
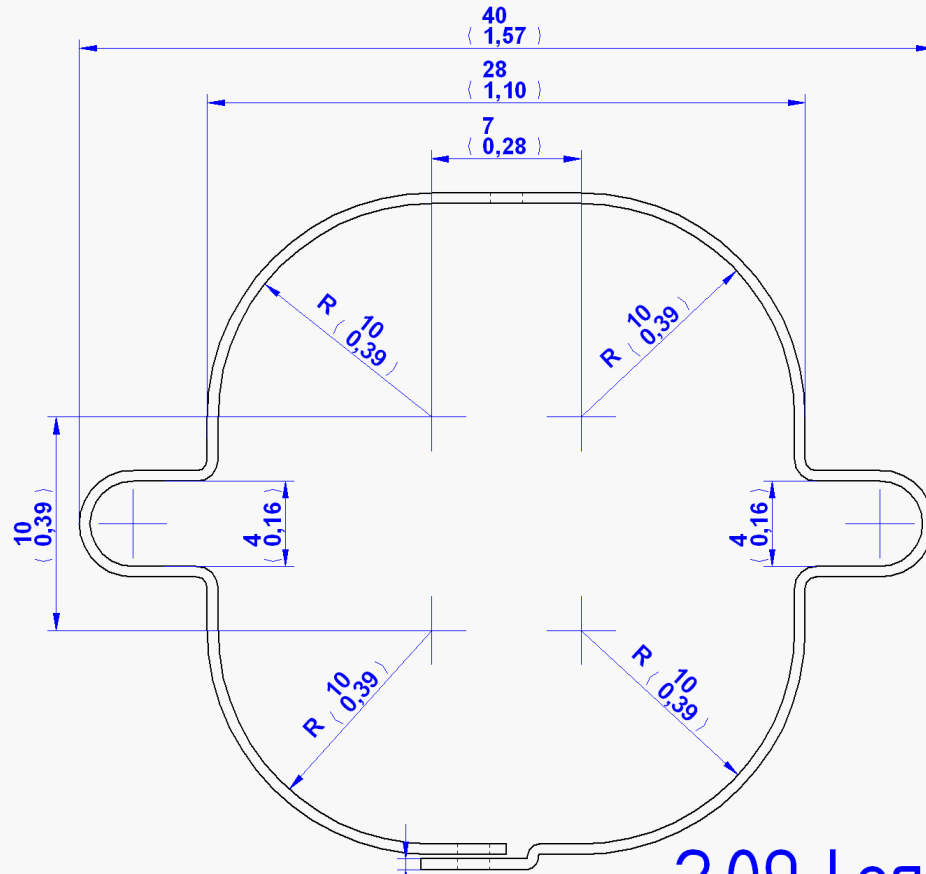




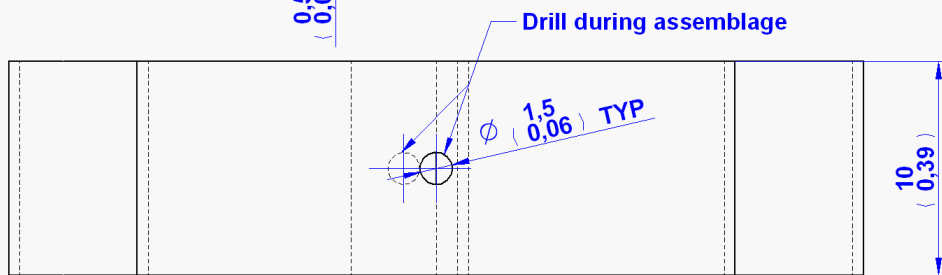


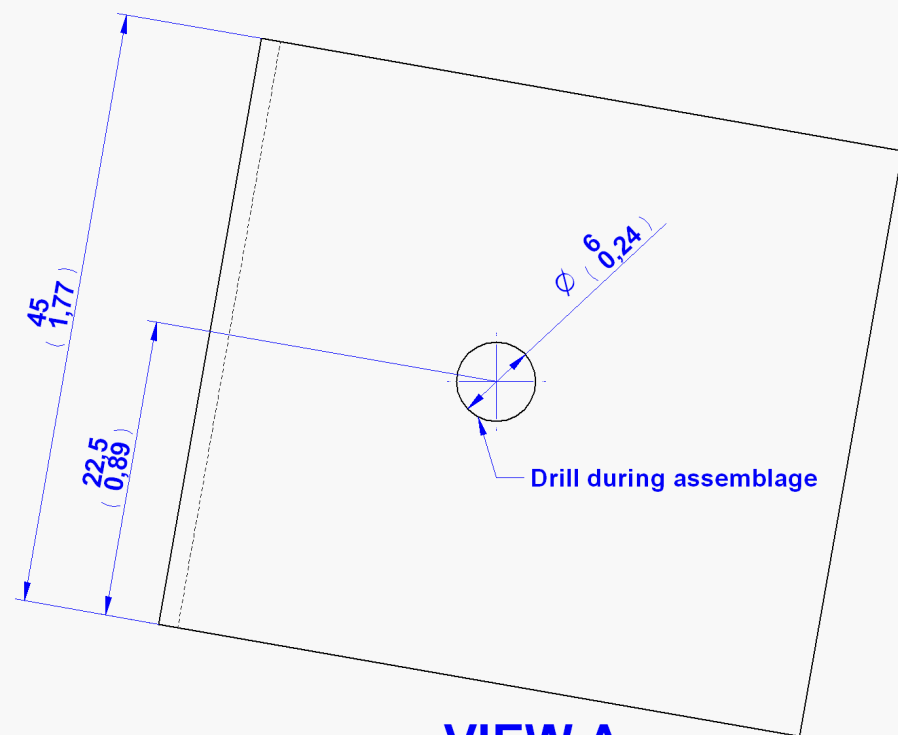




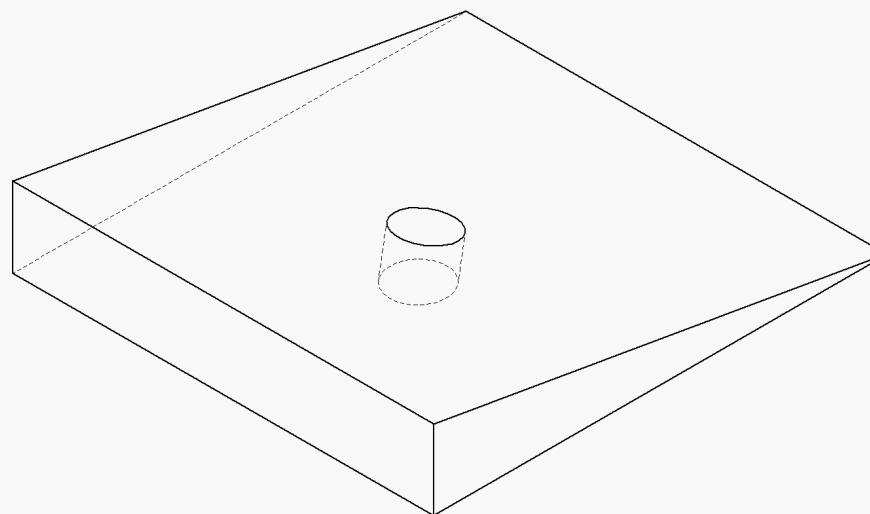
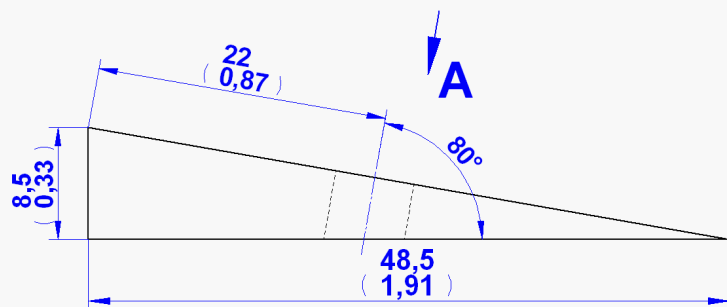


2.09 Leg Holder Sheet Metal

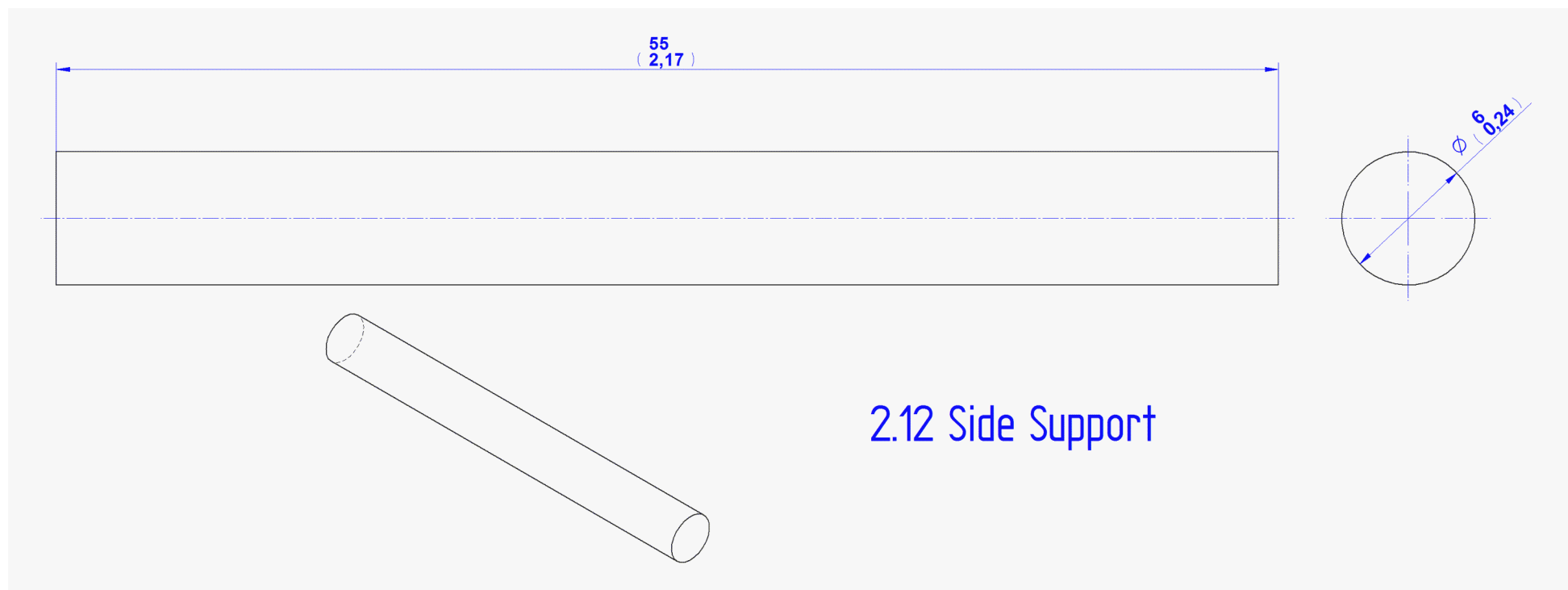




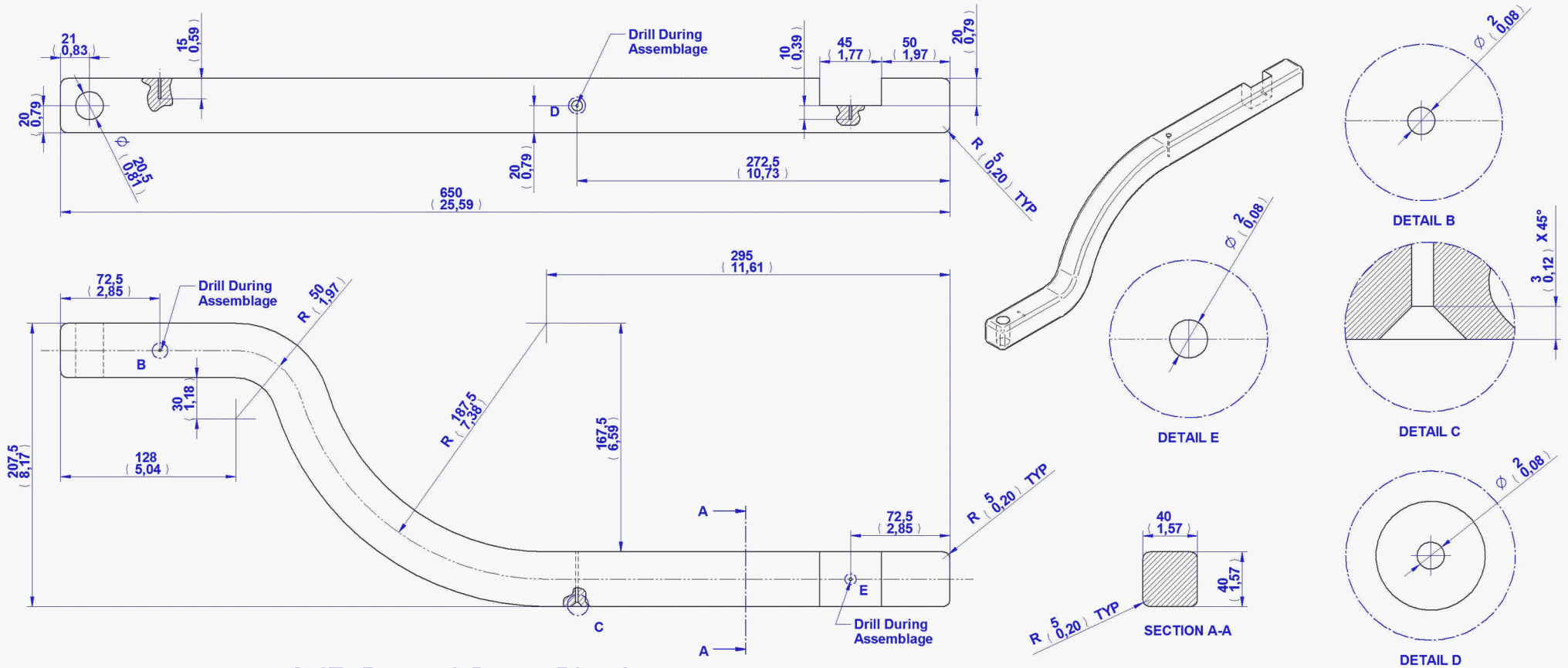
VIEW A



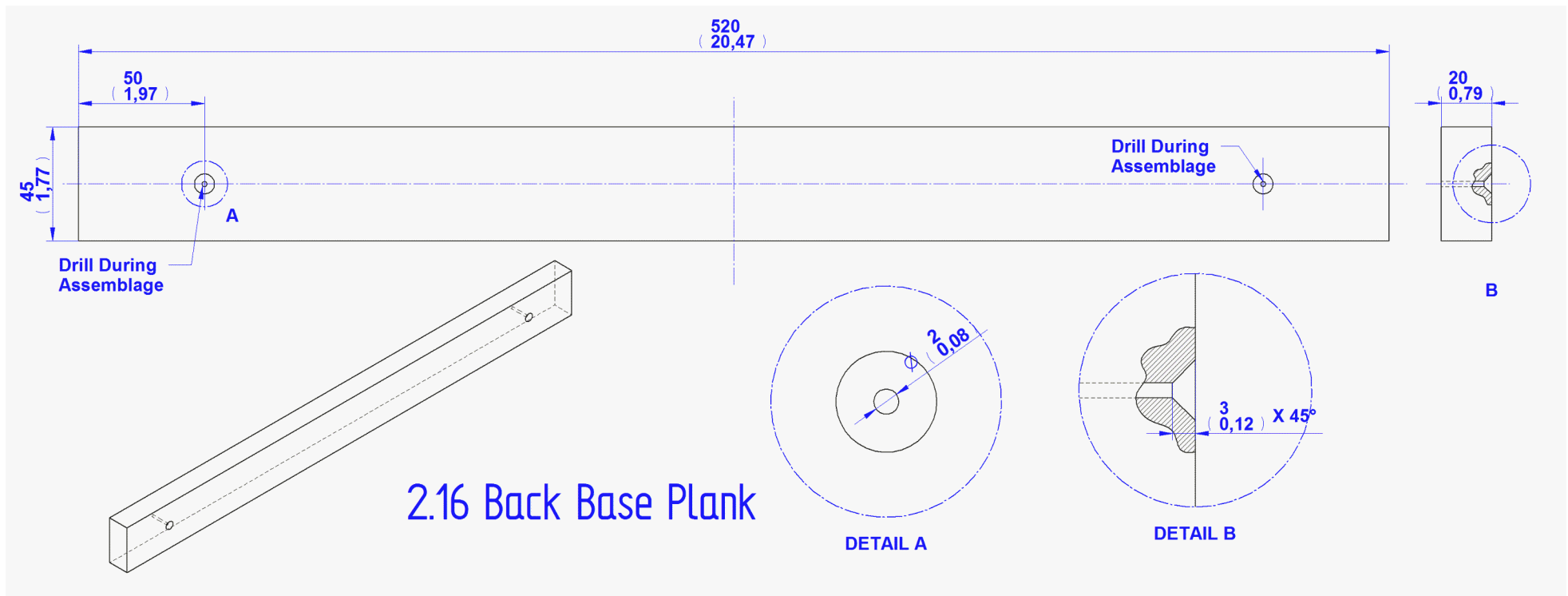
2.10 Limiter



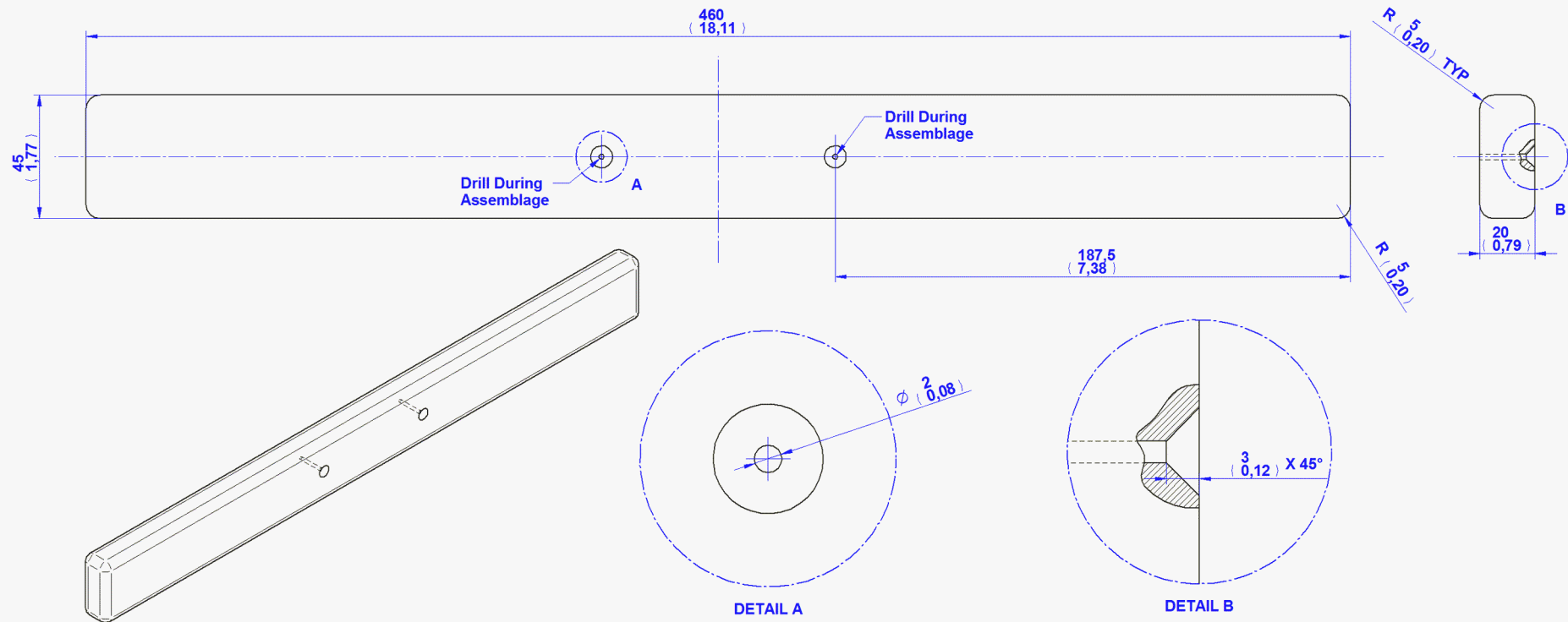
2.12 Side Support

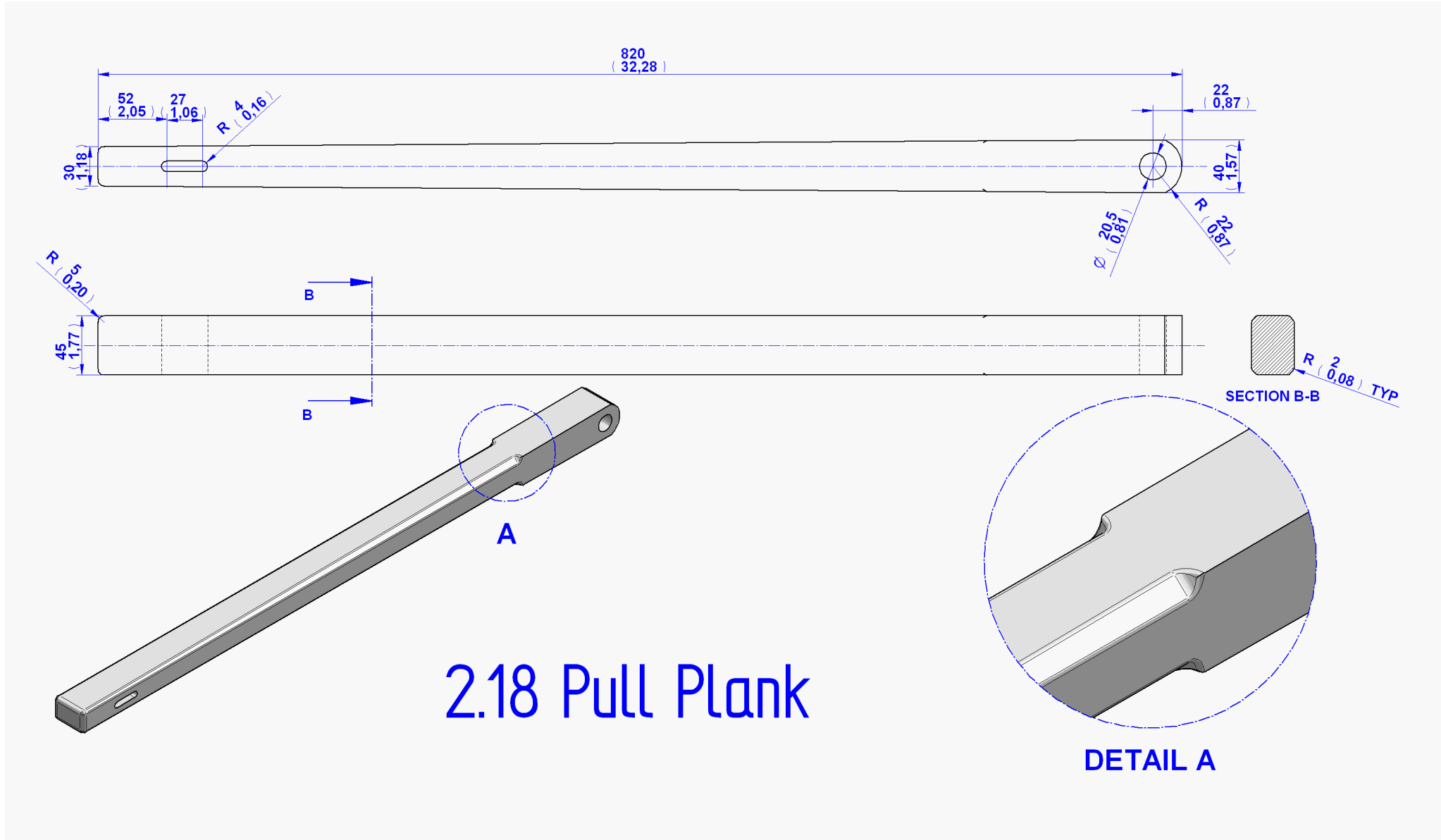


2.15 Curved Base Plank



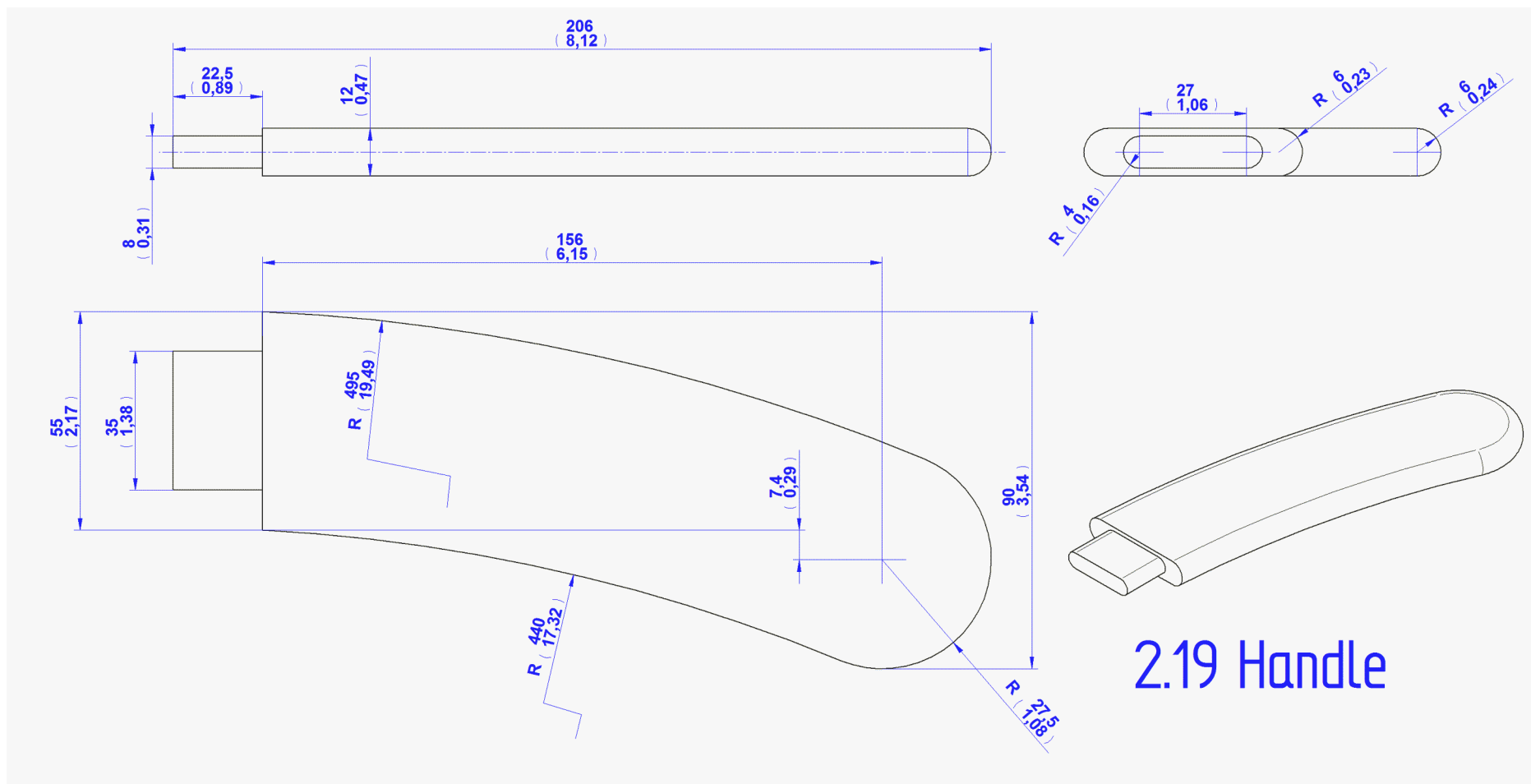
2.17 Front Base Plank



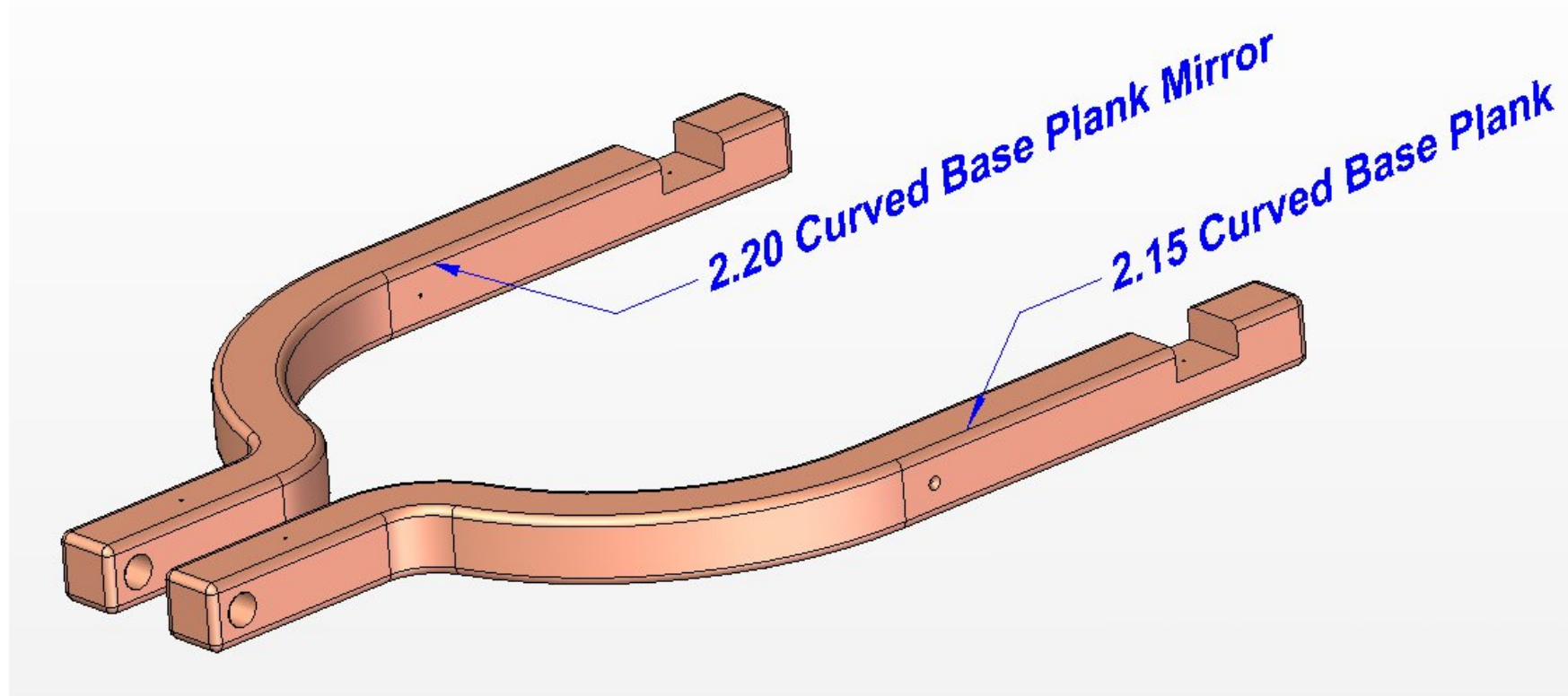


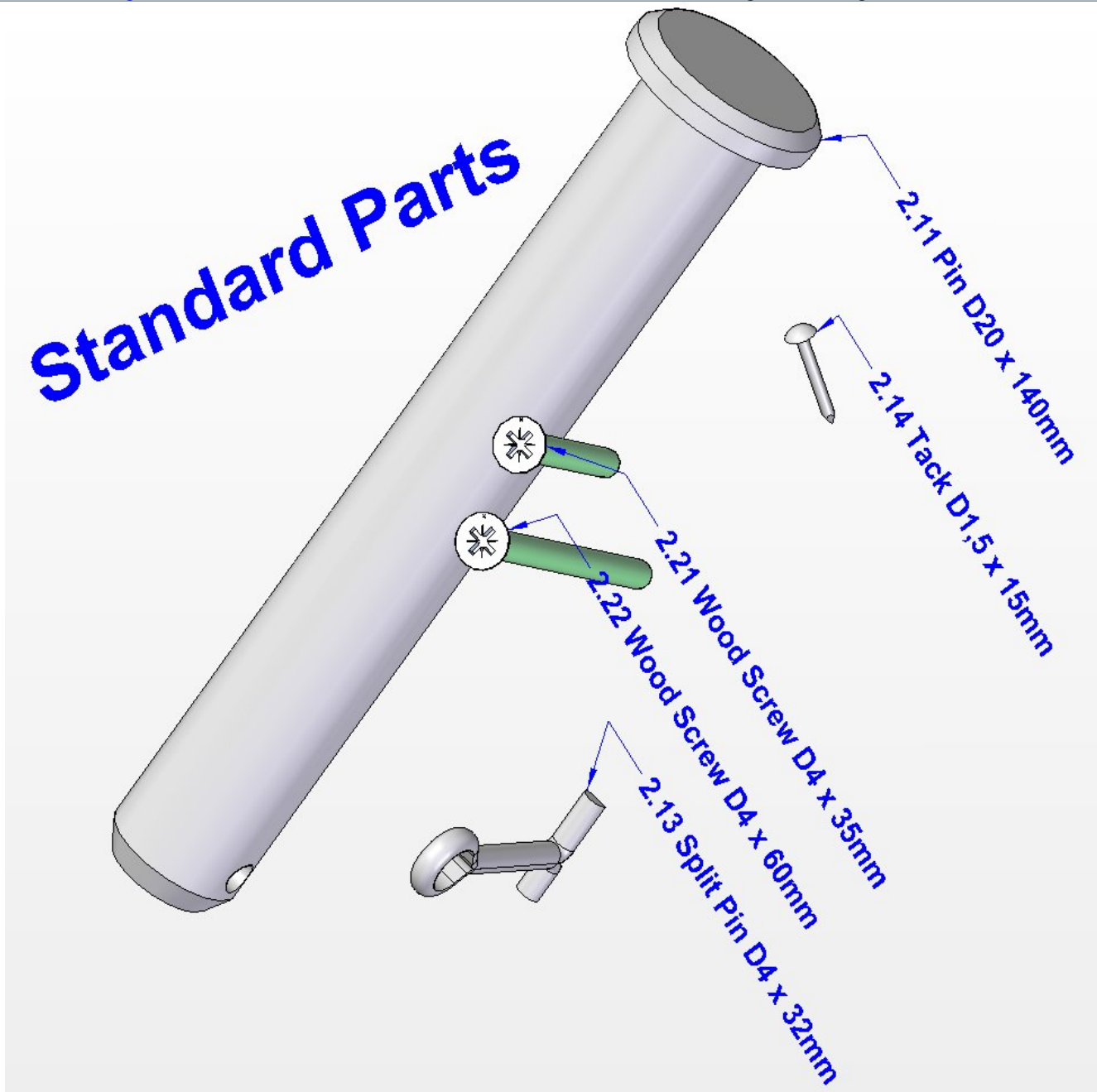
2.18 Pull Plank

DETAIL A



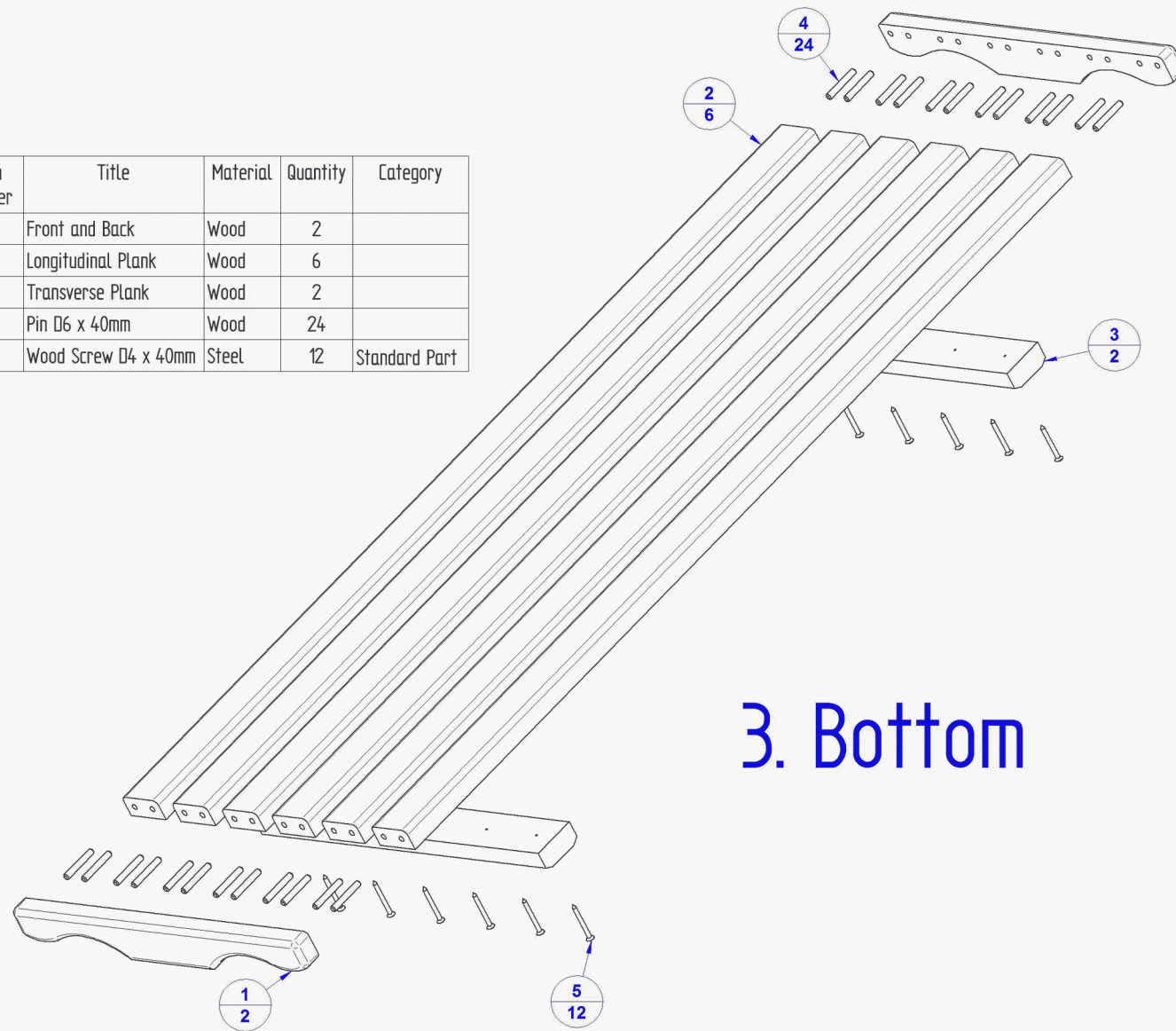
2.19 Handle



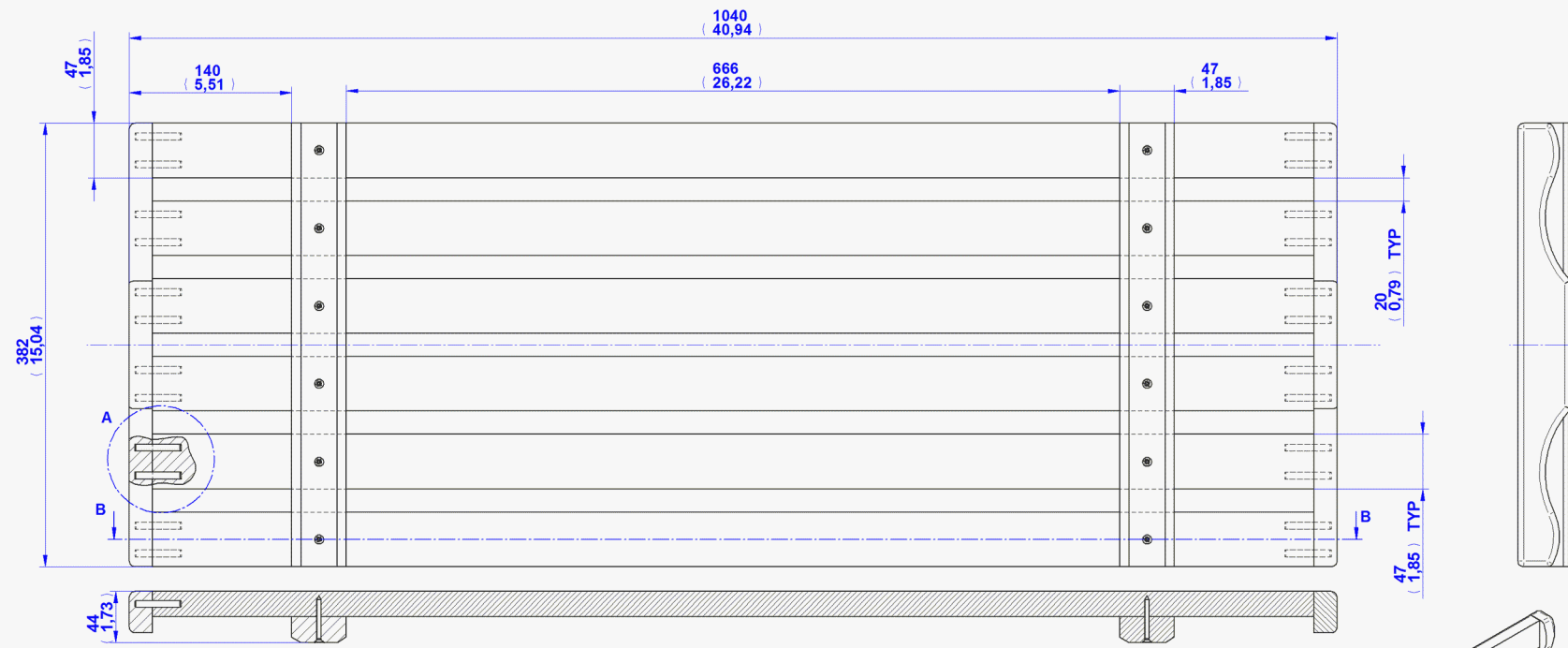


3. Bottom Subassembly - Parts List

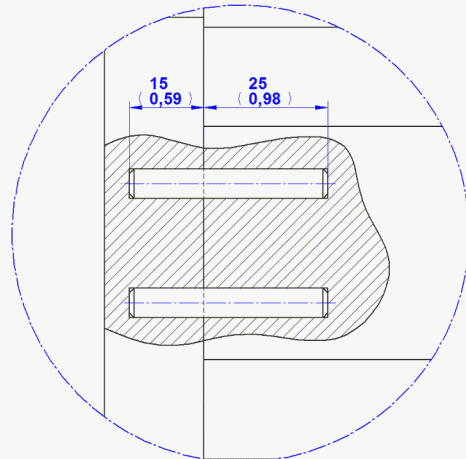
Item Number	Title	Material	Quantity	Category
1	Front and Back	Wood	2	
2	Longitudinal Plank	Wood	6	
3	Transverse Plank	Wood	2	
4	Pin D6 x 40mm	Wood	24	
5	Wood Screw D4 x 40mm	Steel	12	Standard Part



Bottom Subassembly Drawing

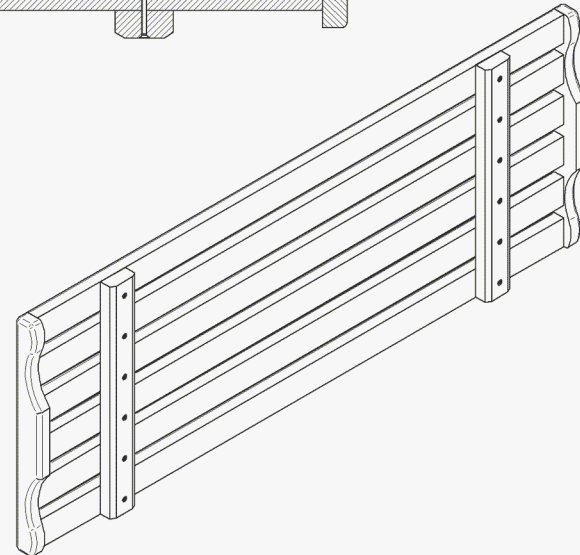


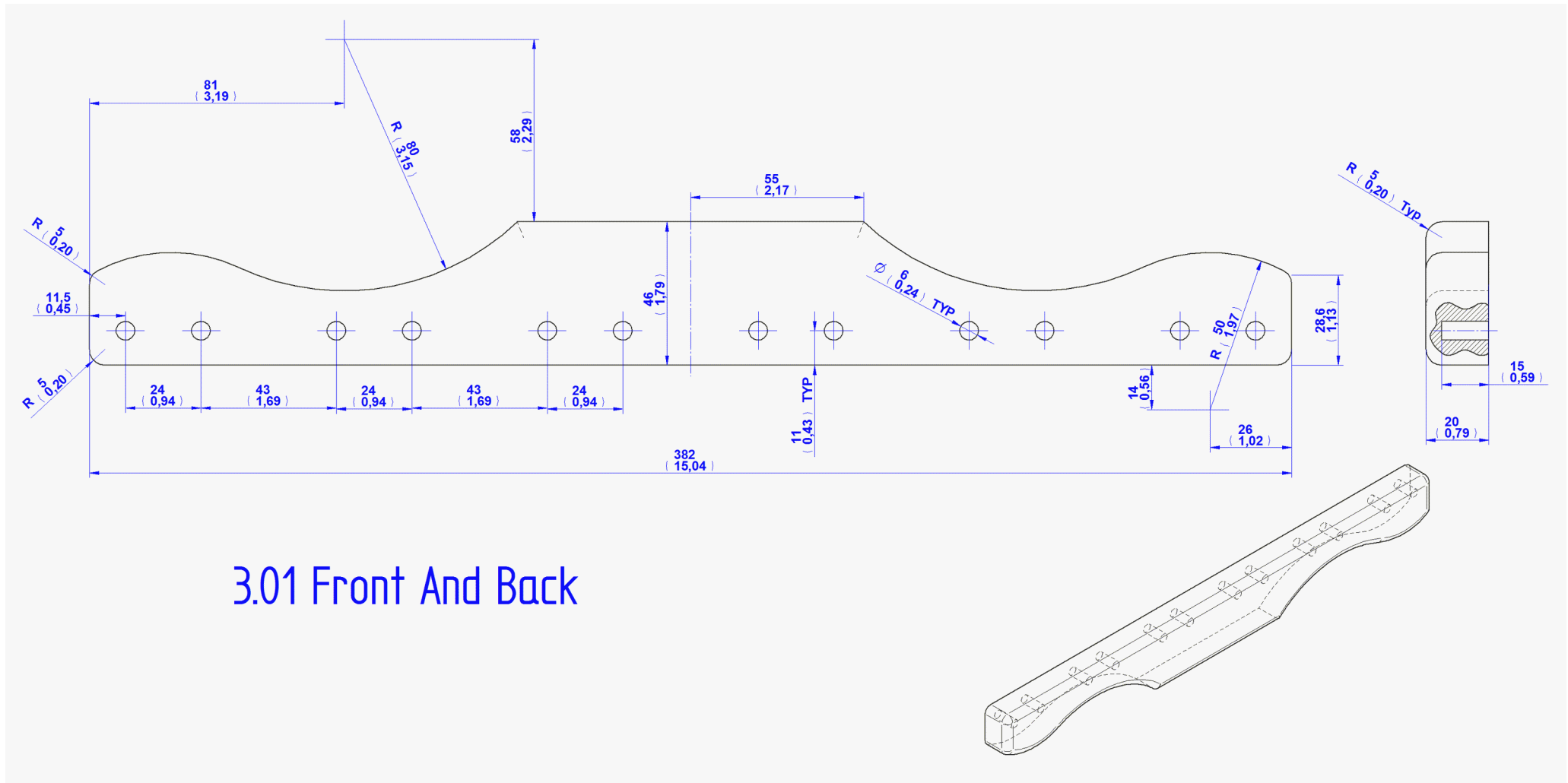
SECTION B-B

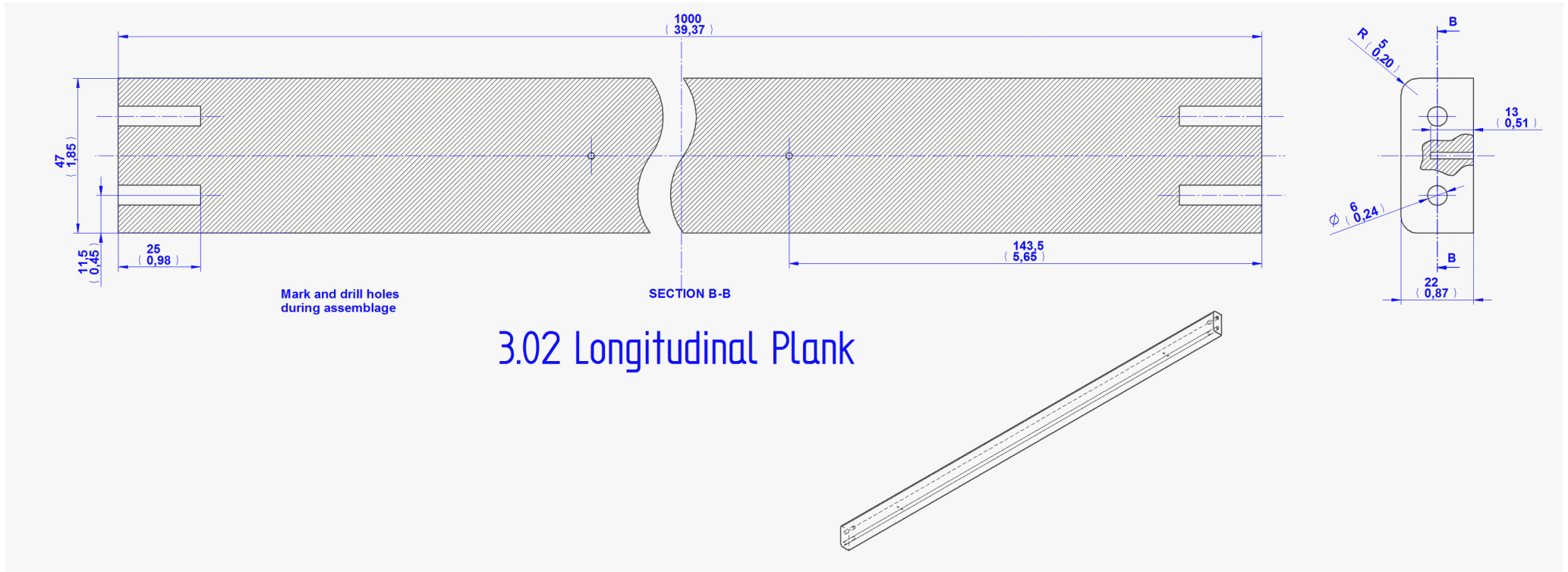


DETAIL A

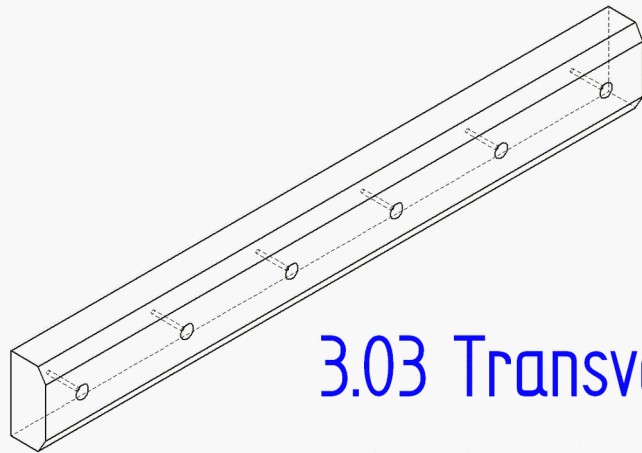
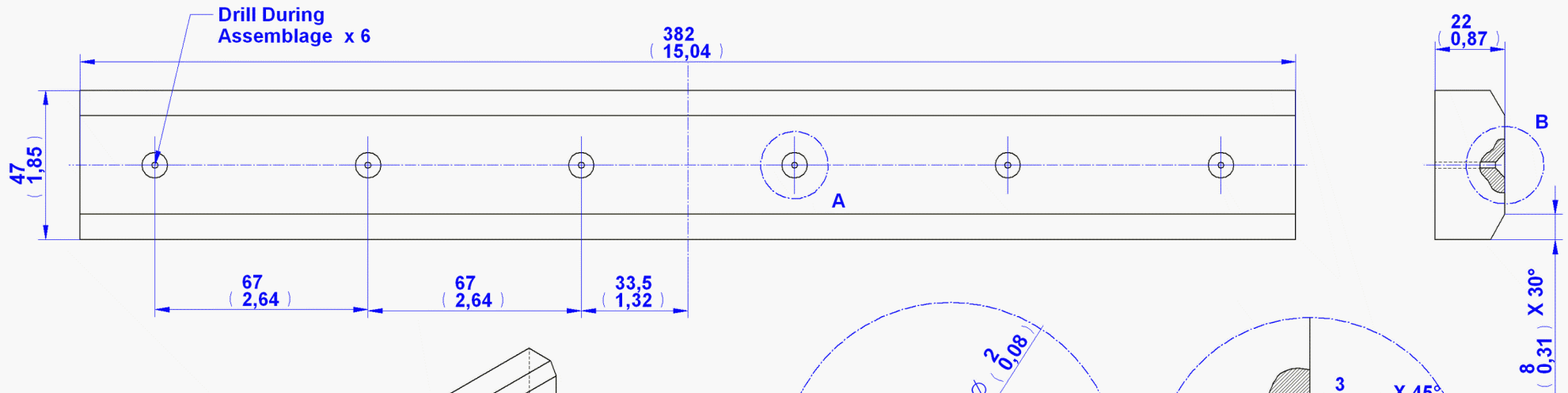
3. Bottom



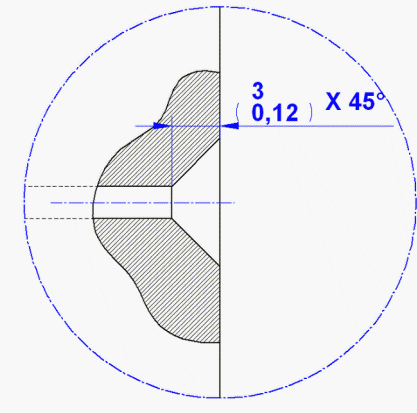
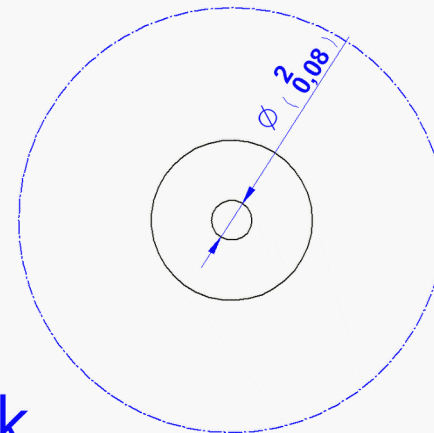


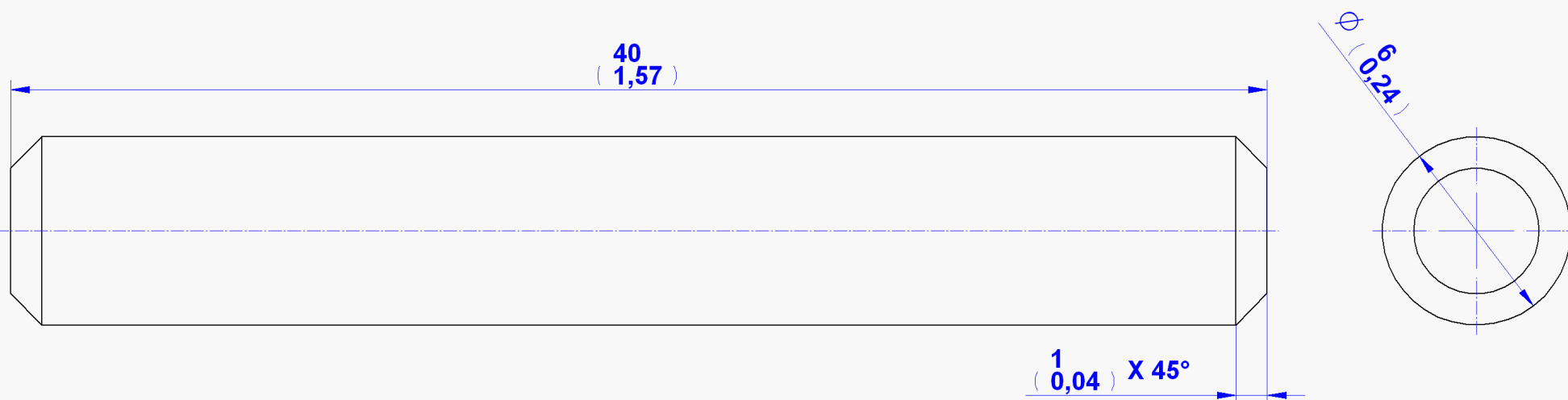


3.02 Longitudinal Plank



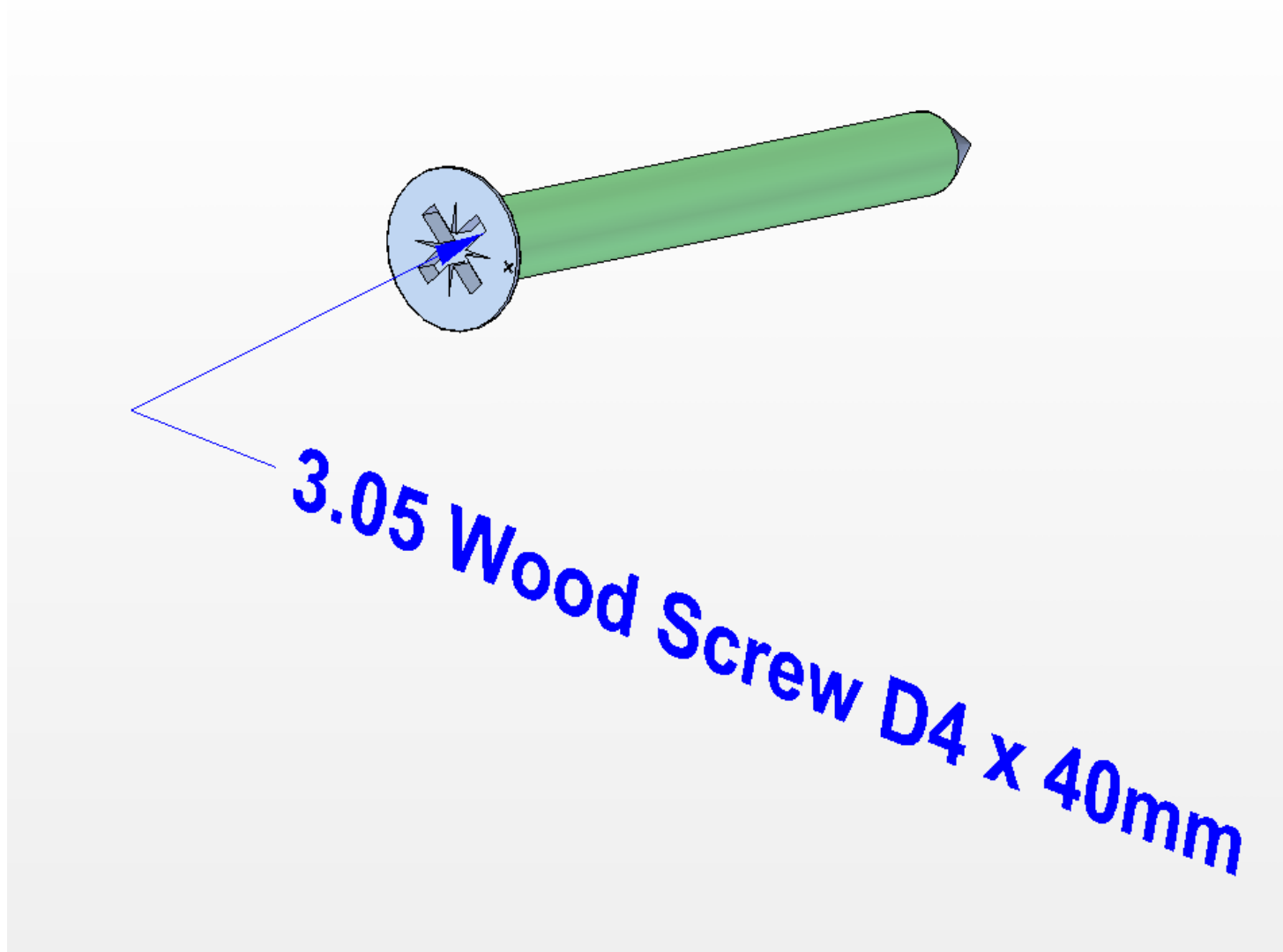
3.03 Transverse Plank





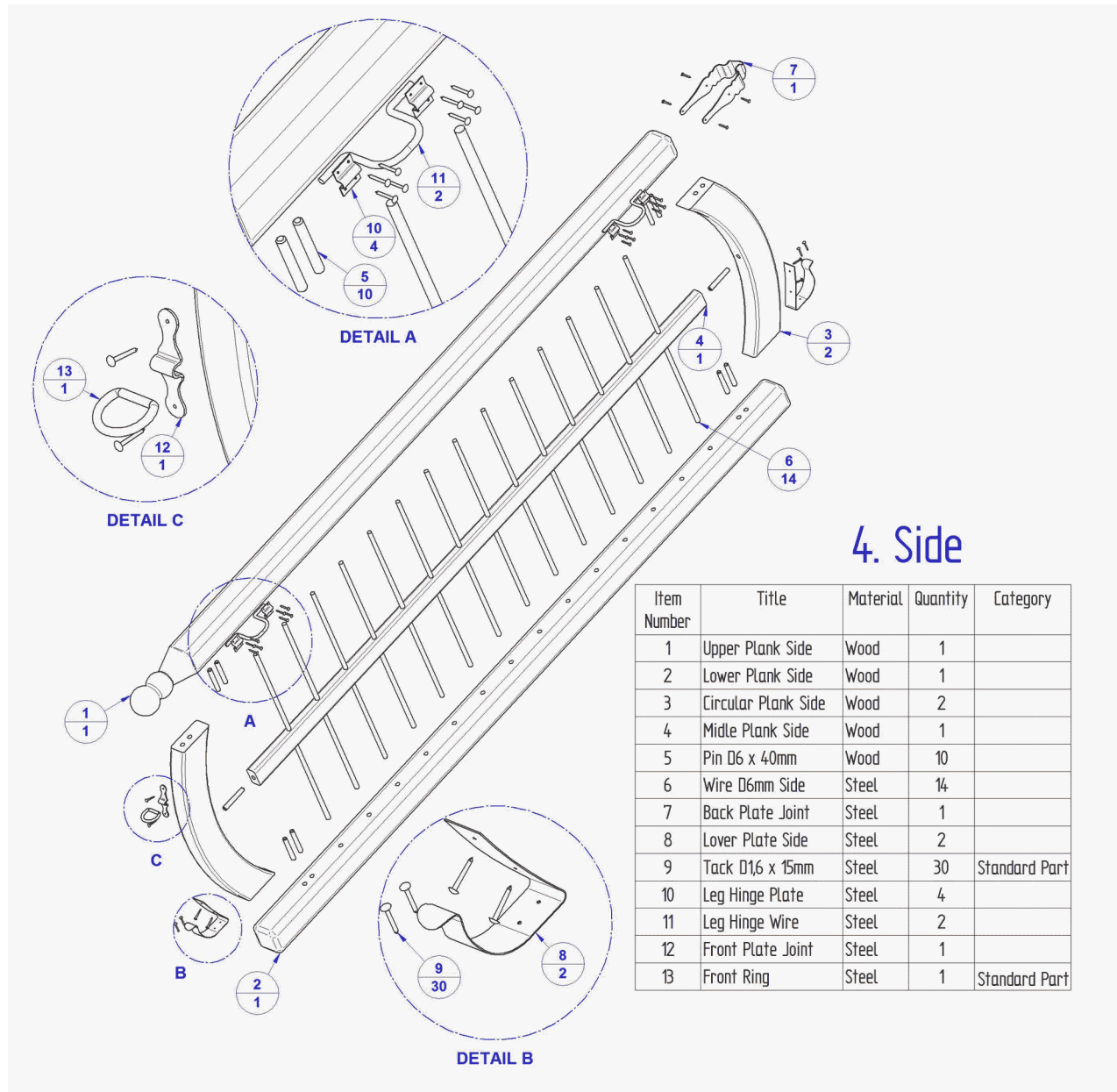
3.04 Pin D6 x 40mm

4.05 Pin D6 x 40mm

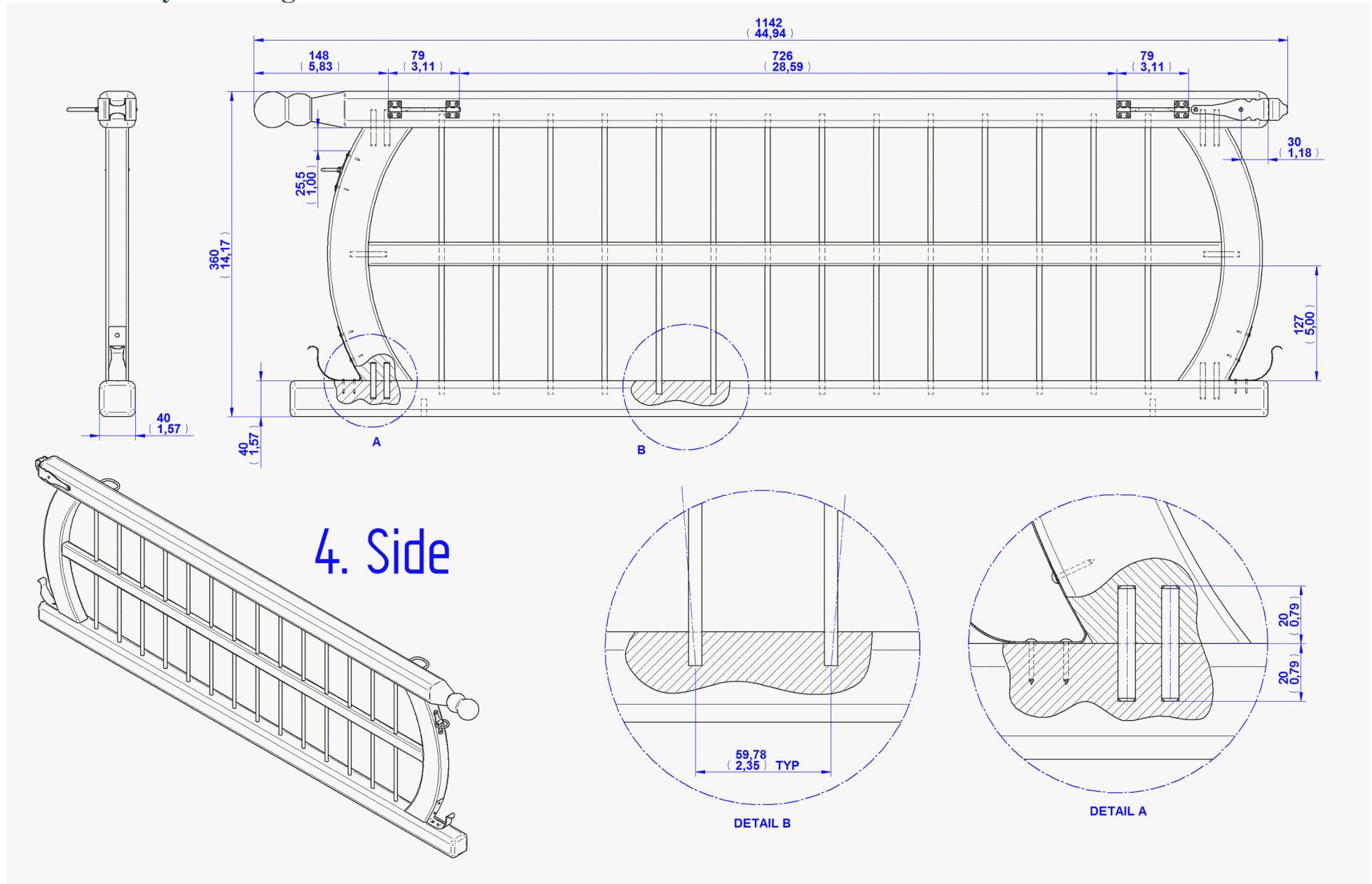


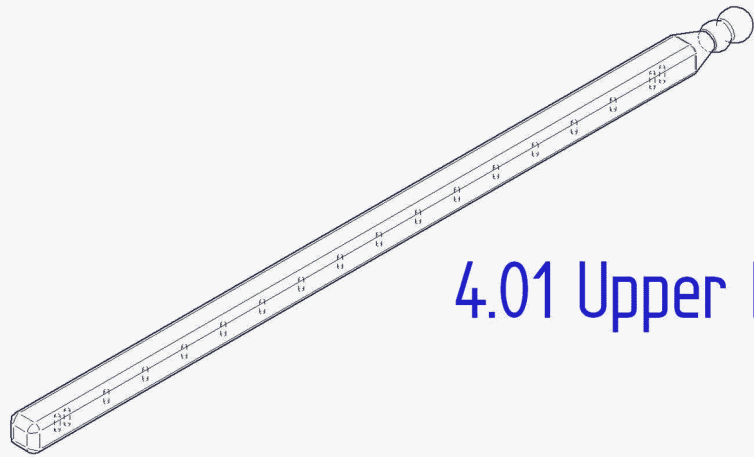
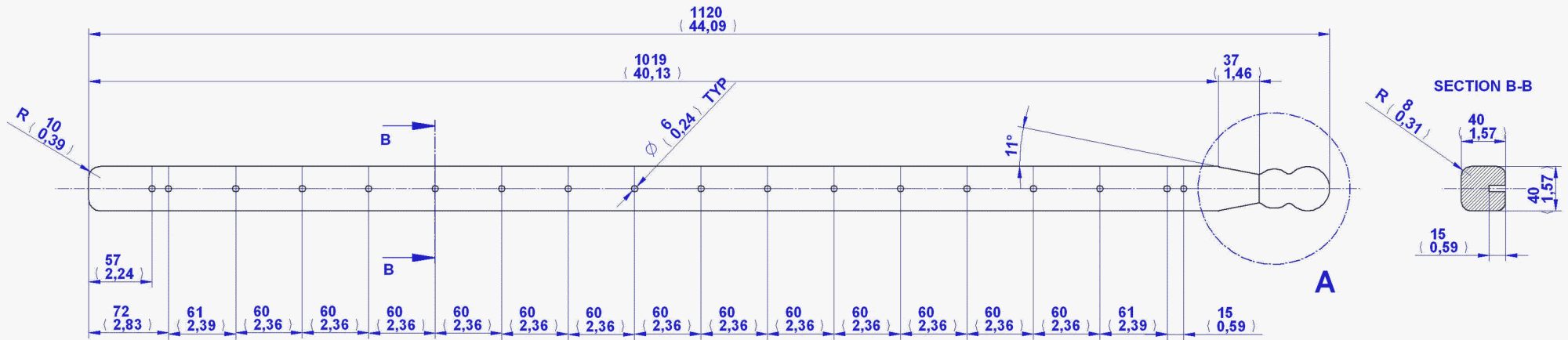
3.05 Wood Screw D4 x 40mm

4. Side Subassembly - Parts List

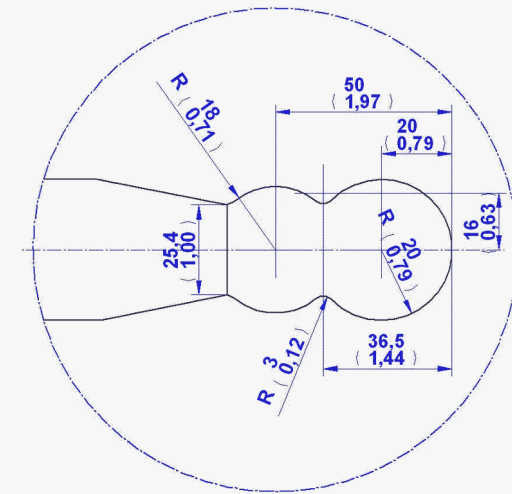


Side Subassembly Drawing

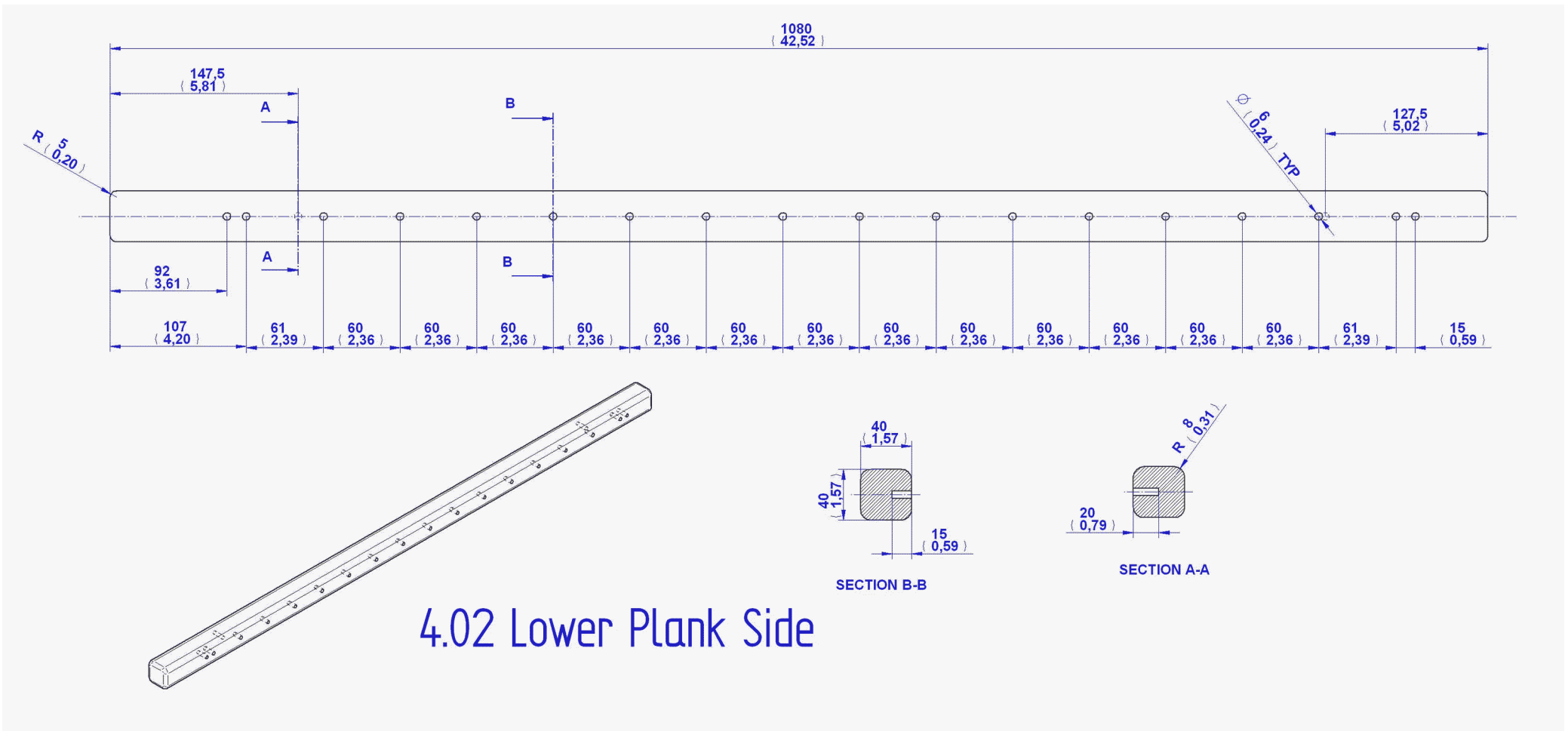




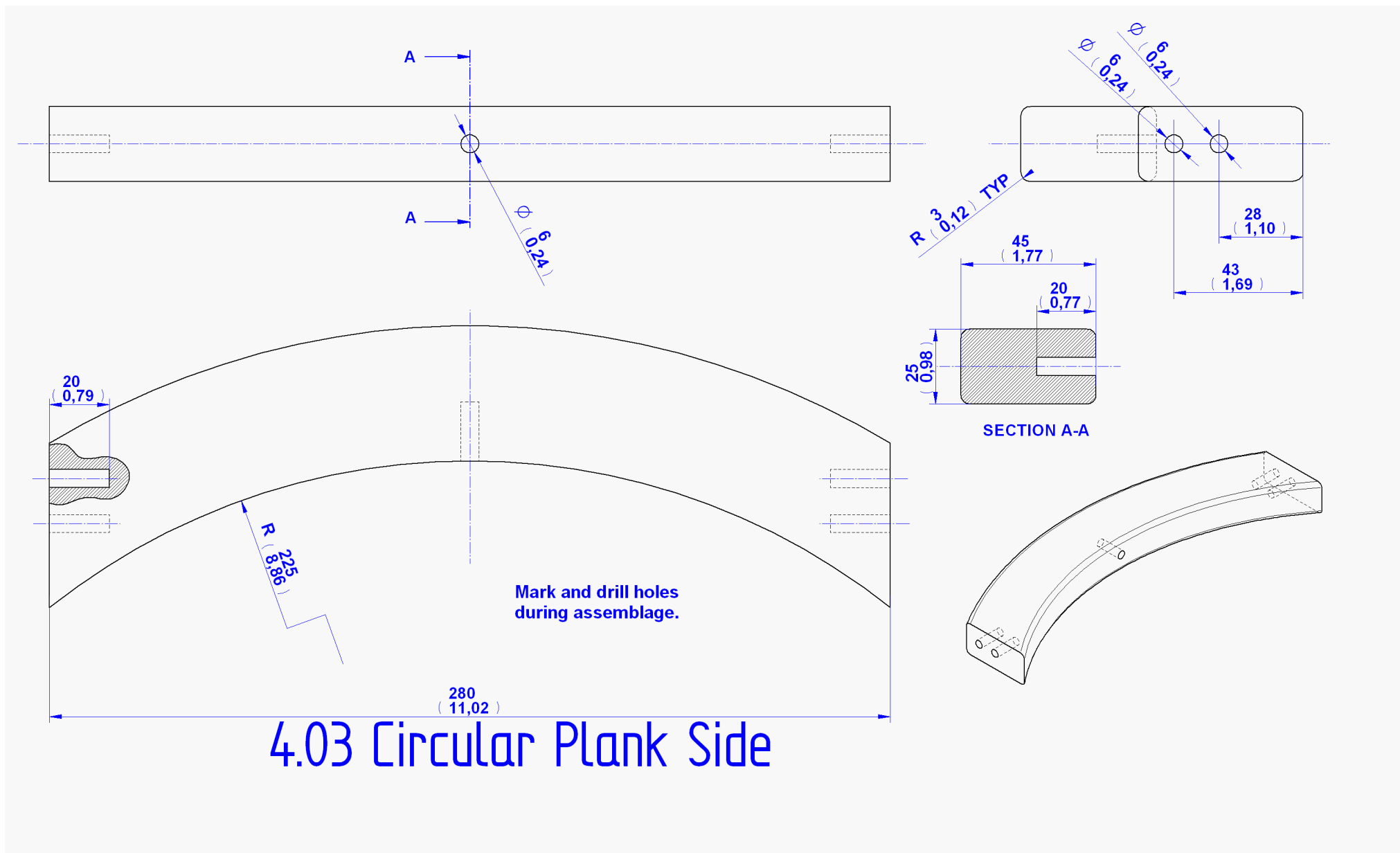
4.01 Upper Plank Side



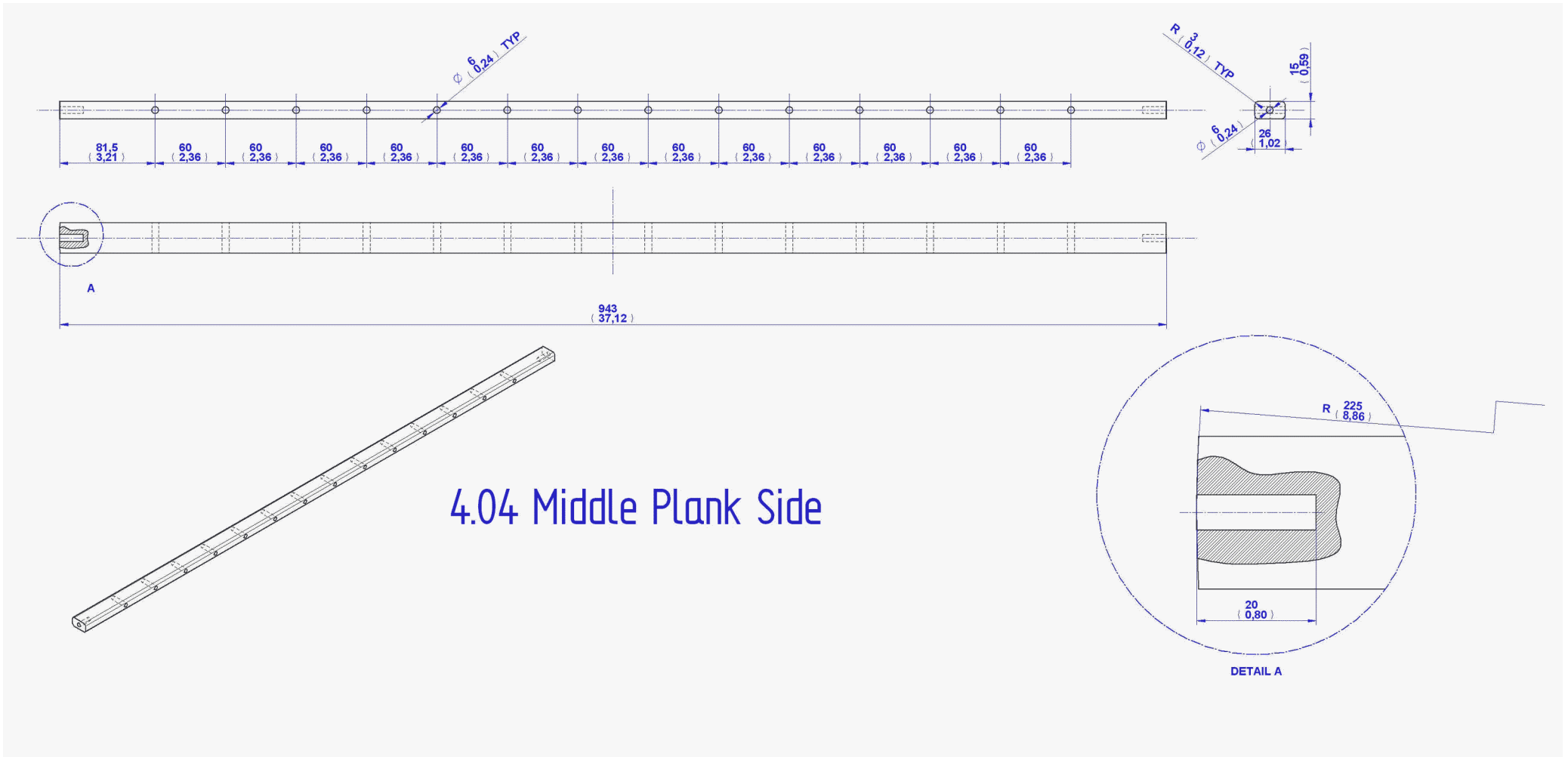
DETAIL A



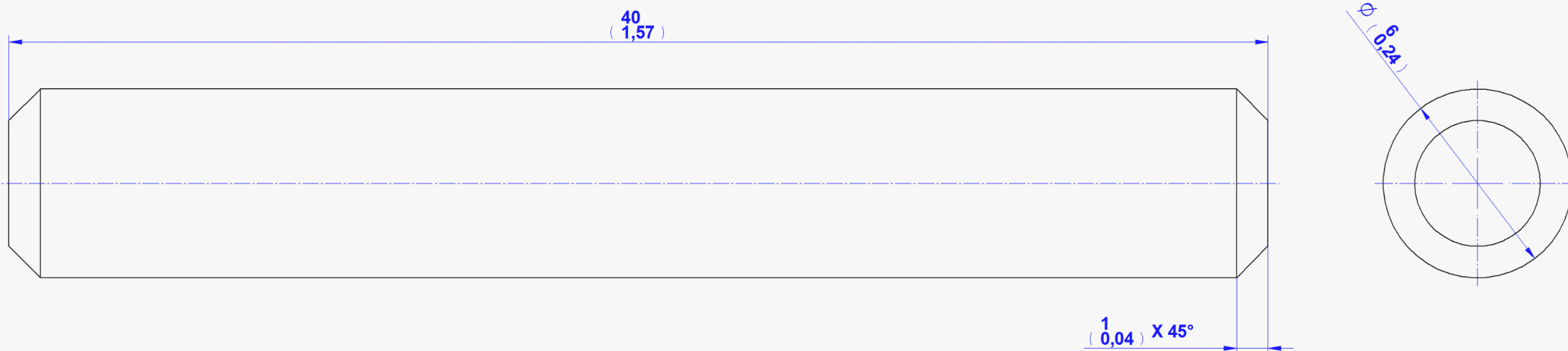
4.02 Lower Plank Side



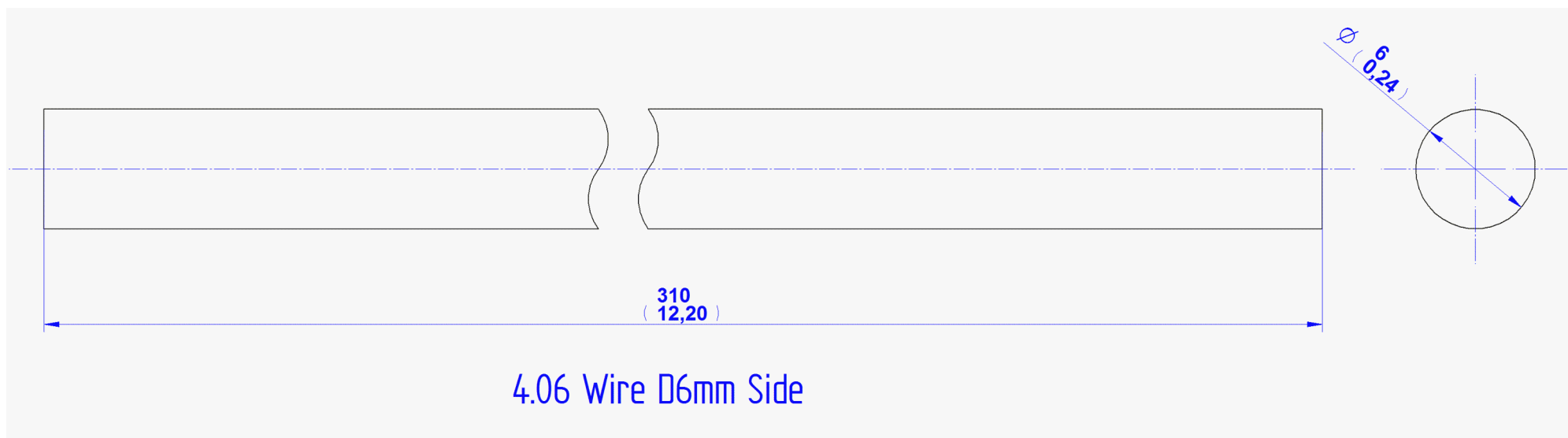
4.03 Circular Plank Side

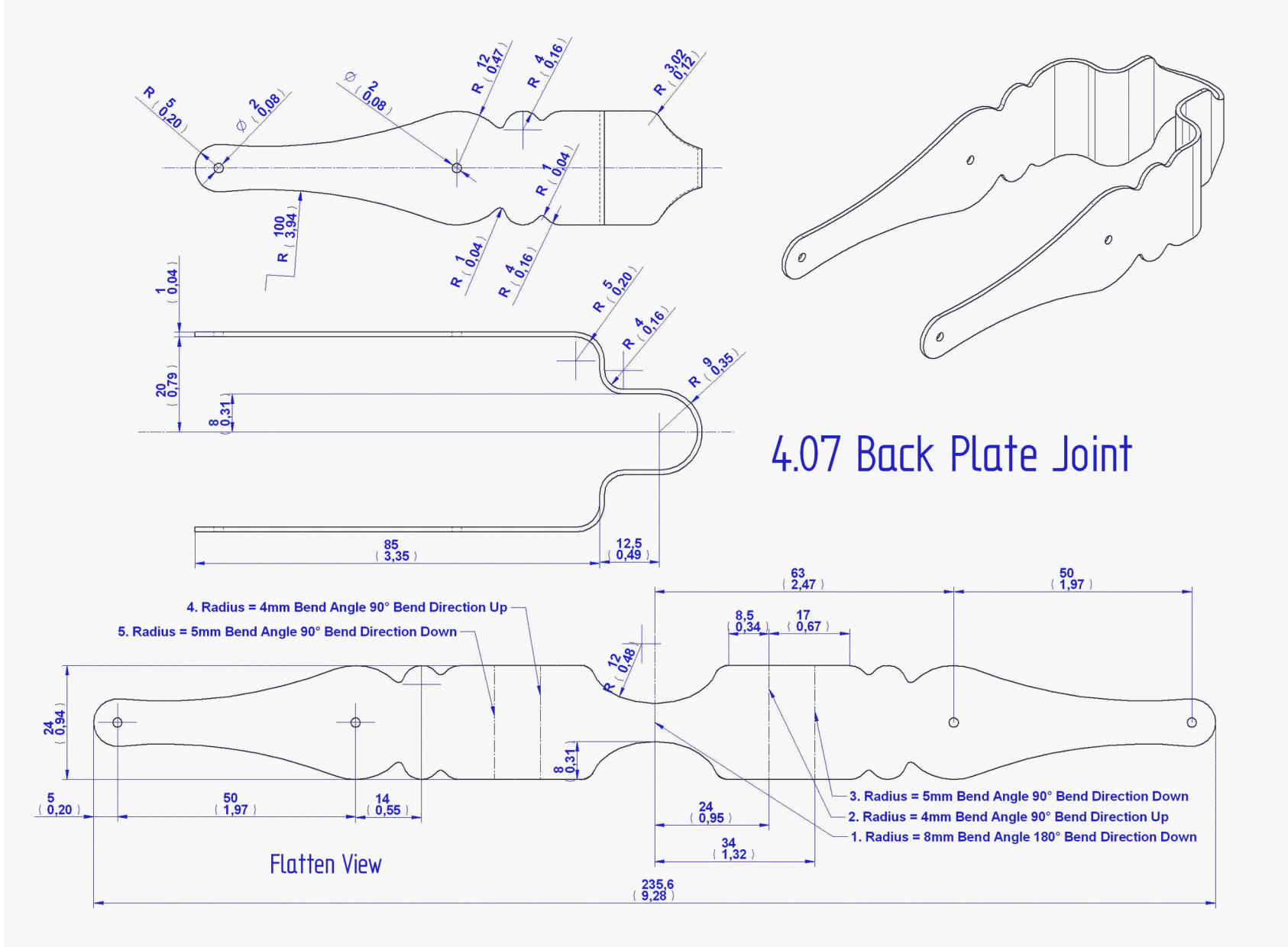


4.04 Middle Plank Side



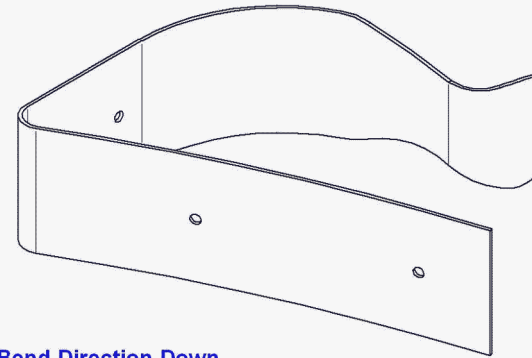
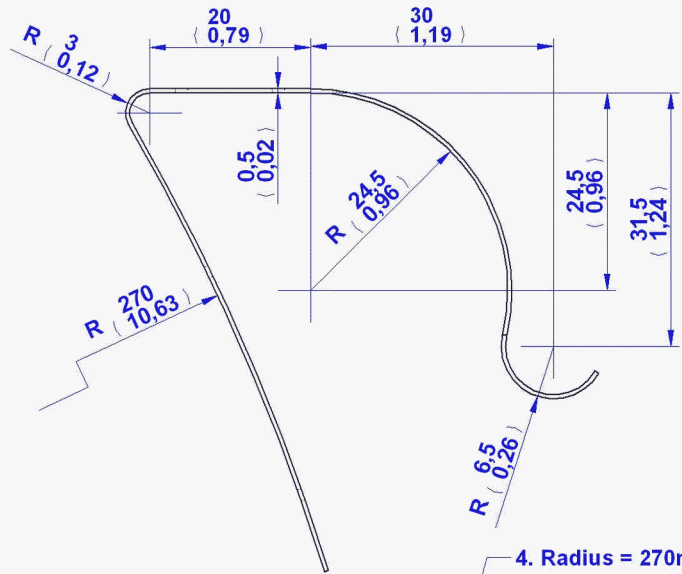
3.04 Pin Ø6 x 40mm
4.05 Pin Ø6 x 40mm





4.07 Back Plate Joint

4.08 Lower Plate Side

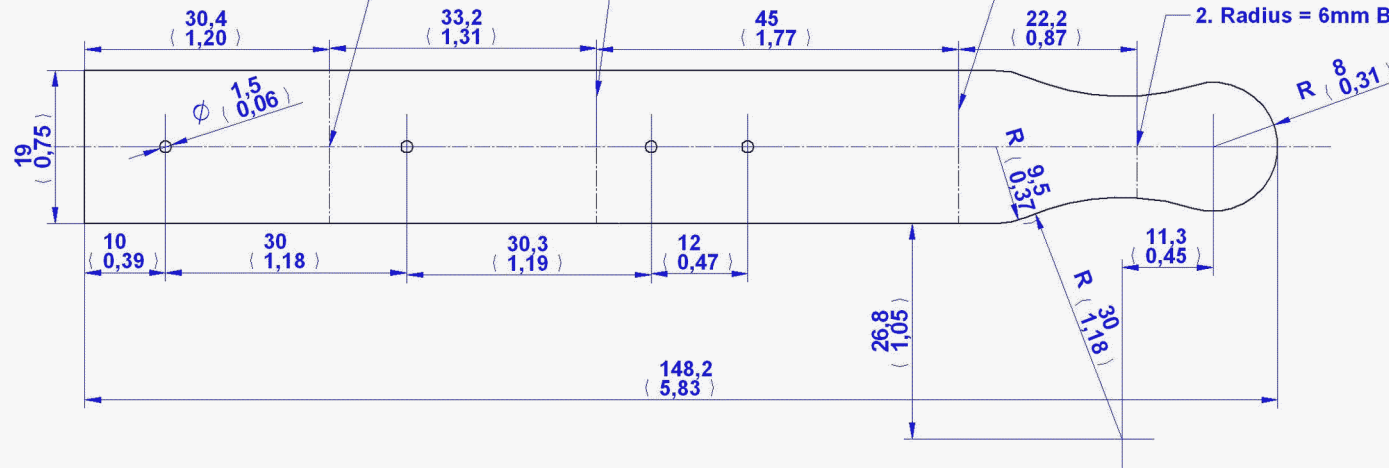


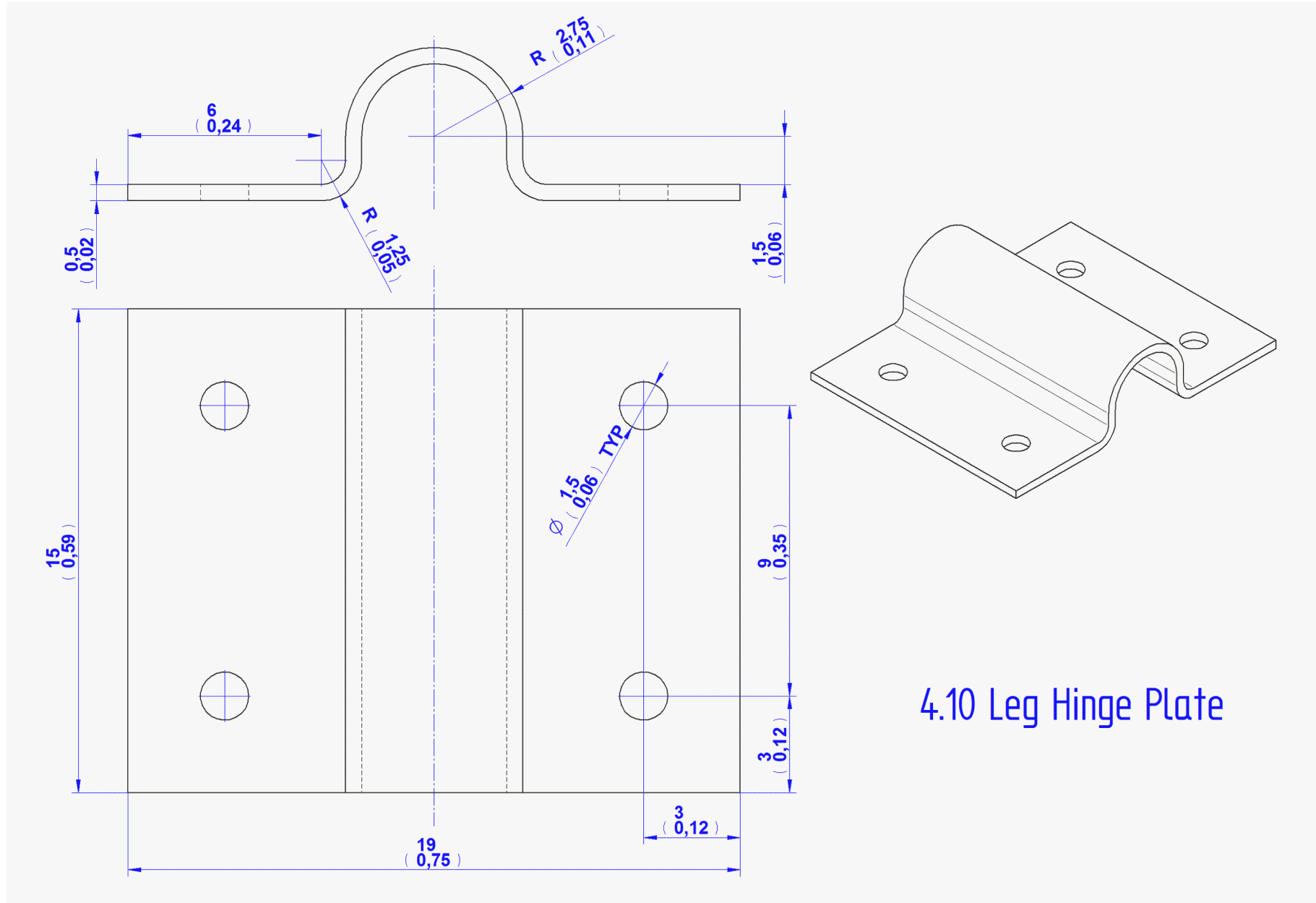
4. Radius = 270mm Bend Angle 13° Bend Direction Down

3. Radius = 2,5mm Bend Angle 120° Bend Direction Up

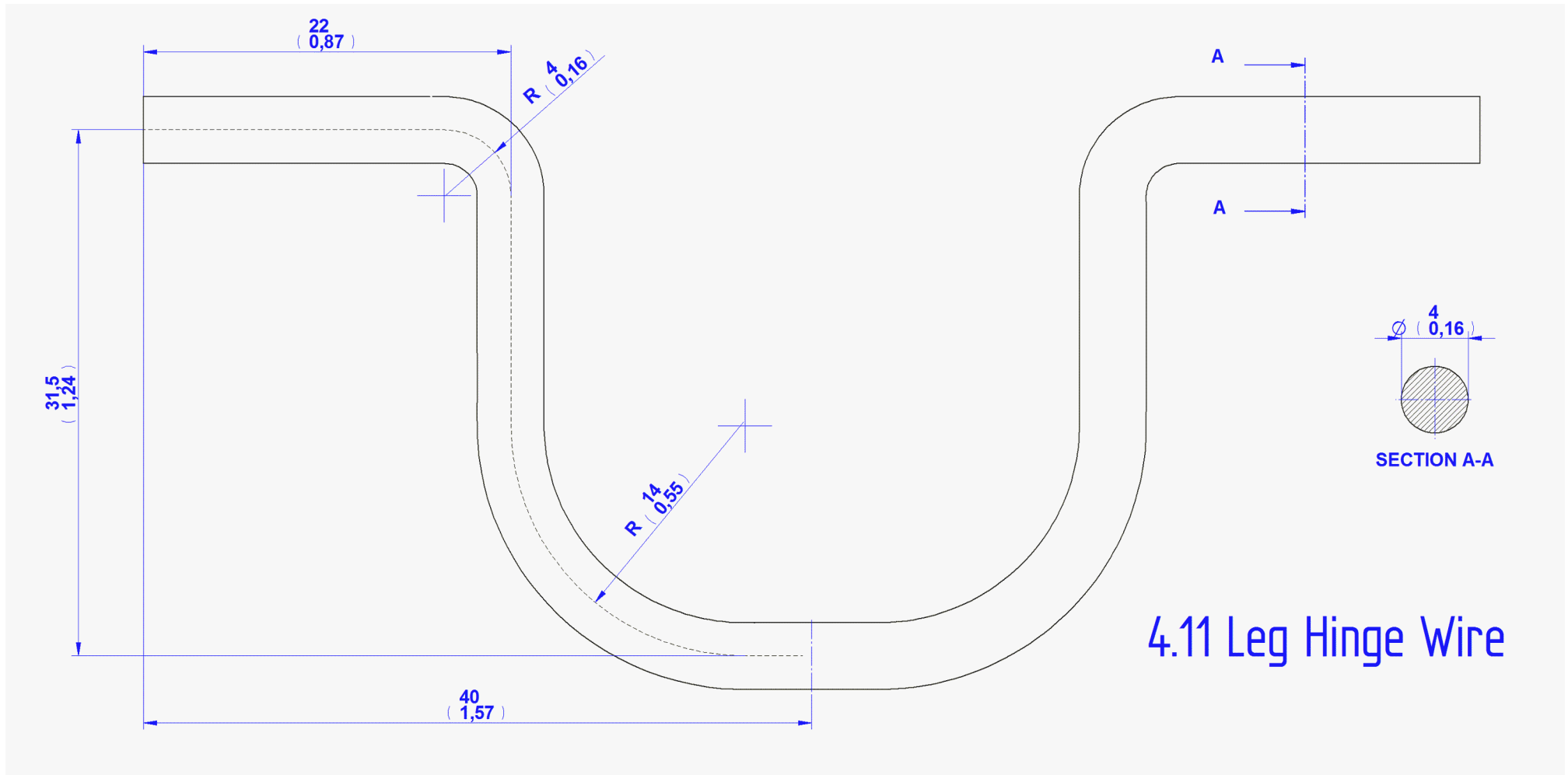
1. Radius = 24,5mm Bend Angle 103° Bend Direction Up

2. Radius = 6mm Bend Angle 1145916° Bend Direction Down

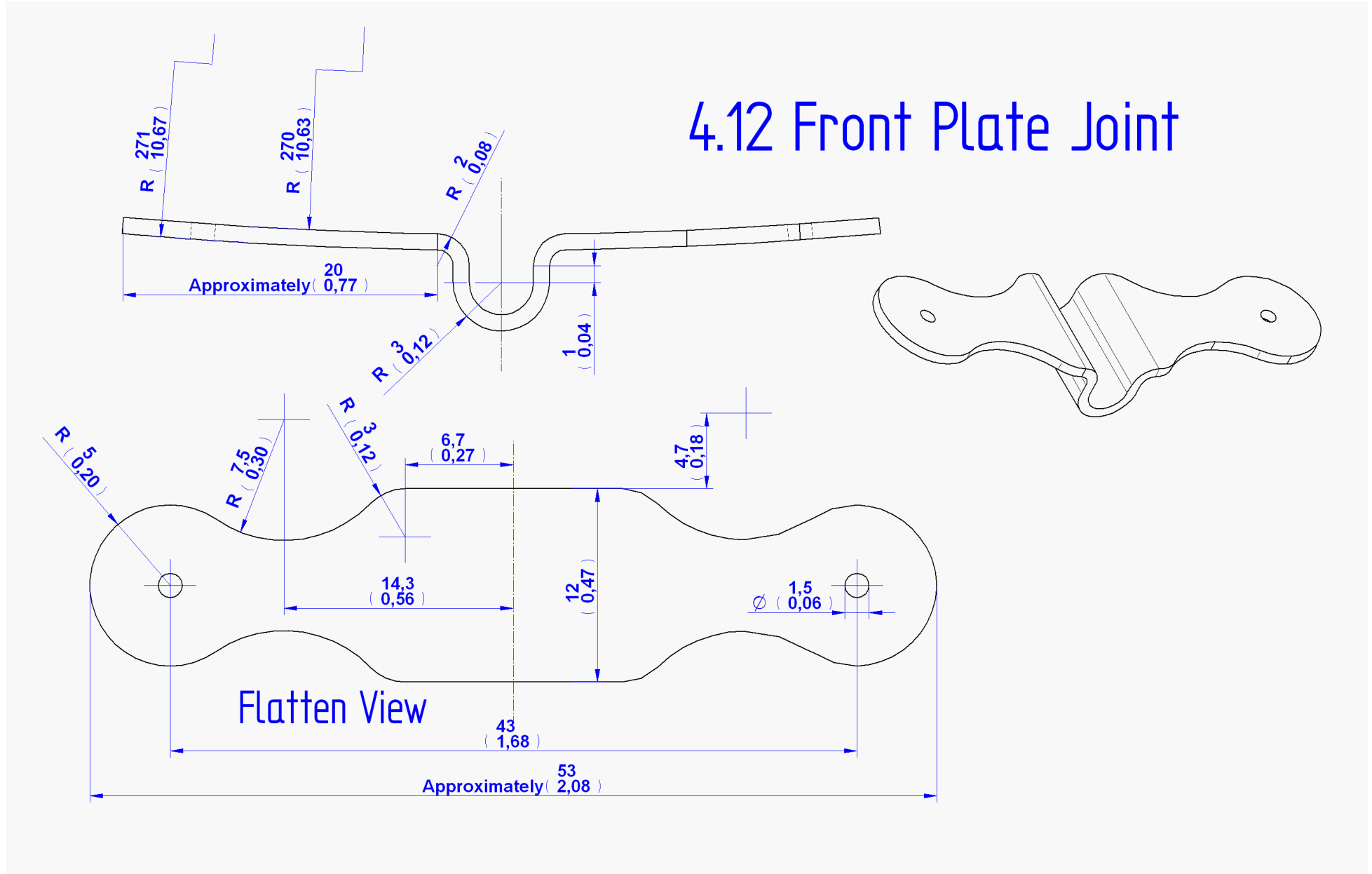


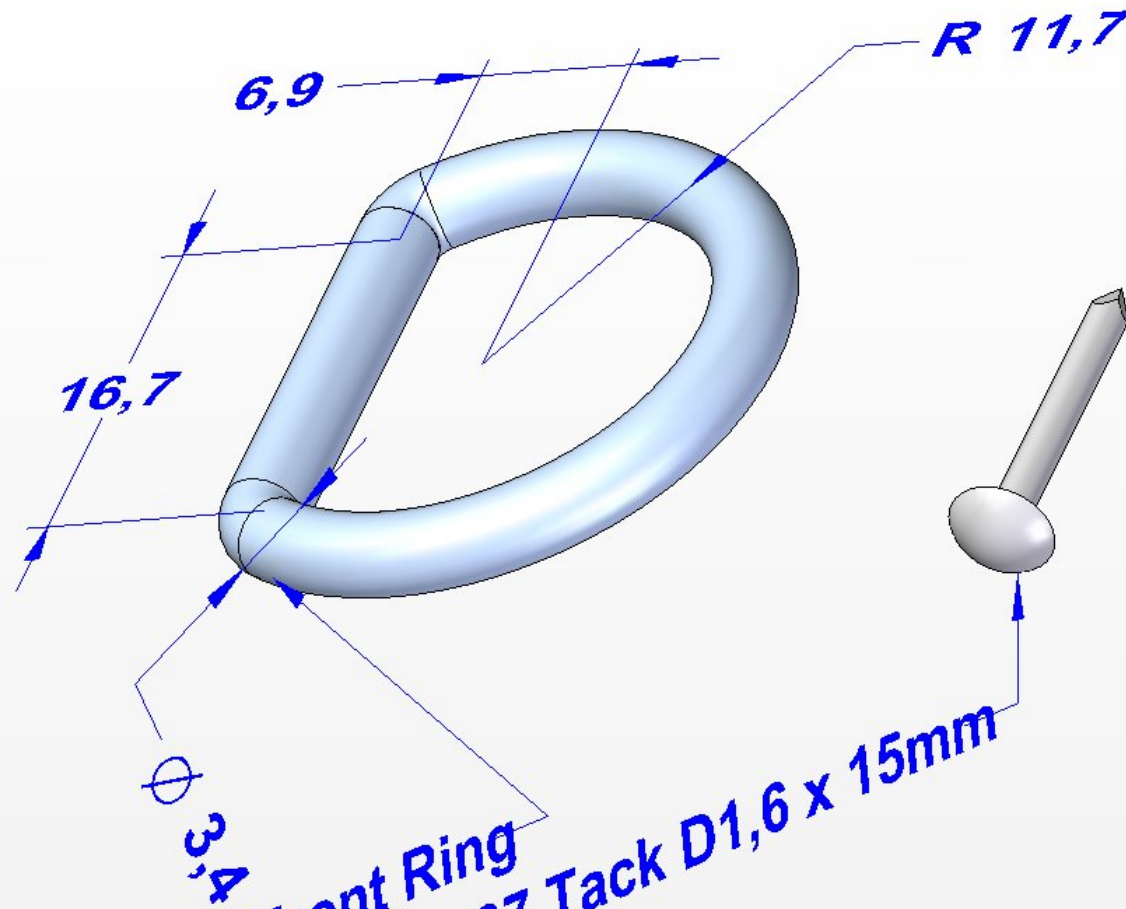


4.10 Leg Hinge Plate



4.12 Front Plate Joint

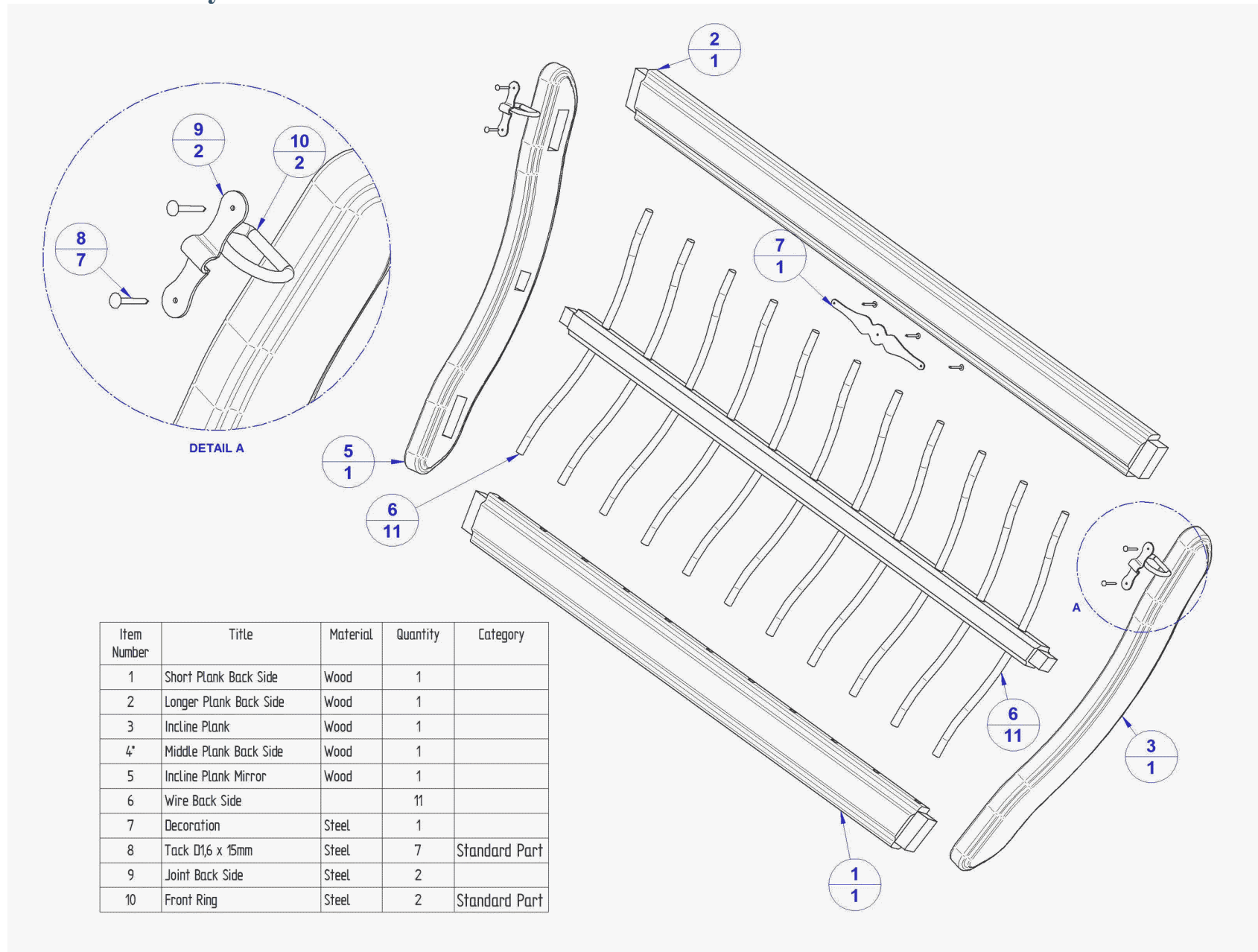




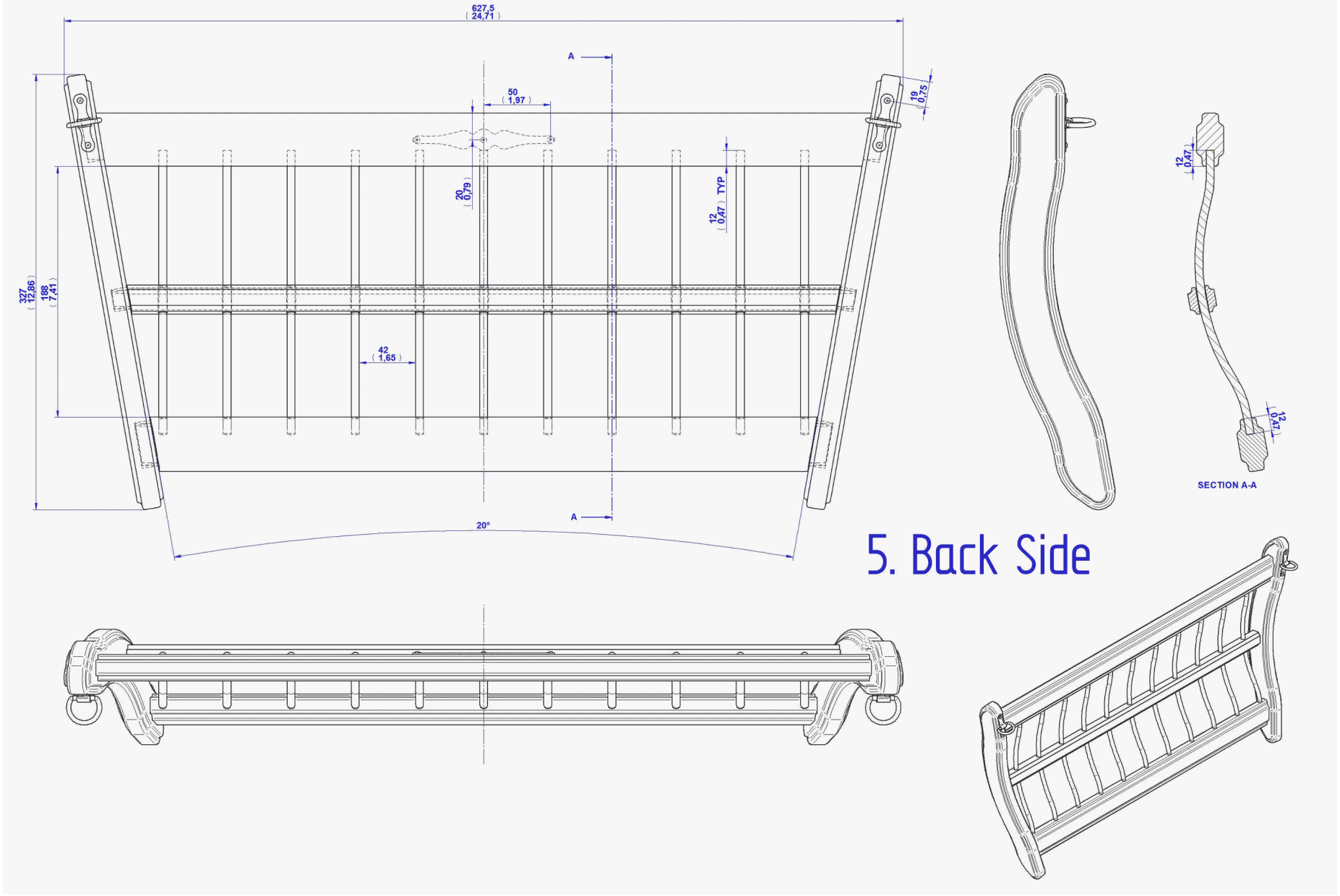
4.13 , 5.08 and 6.09 Front Ring
4.09 , 5.10 and 6.07 Tack D1,6 x 15mm

**Standard
Parts**

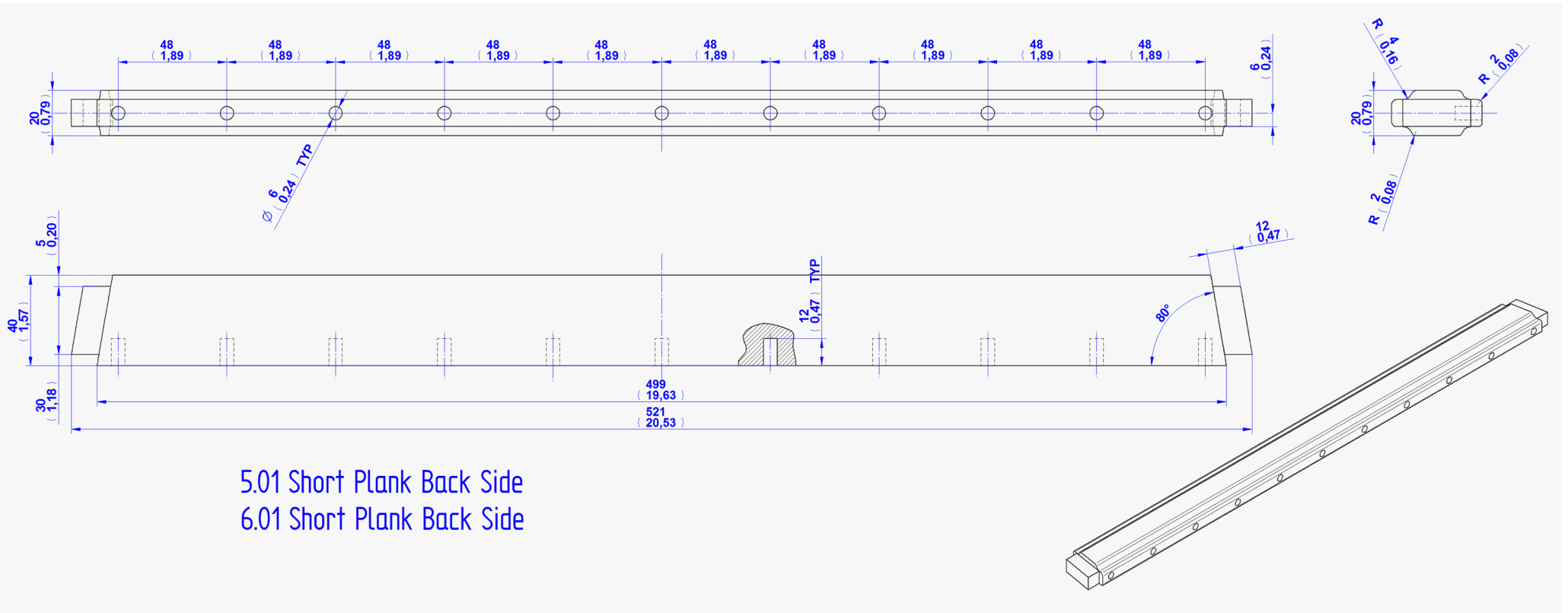
5. Back Side Subassembly - Parts List

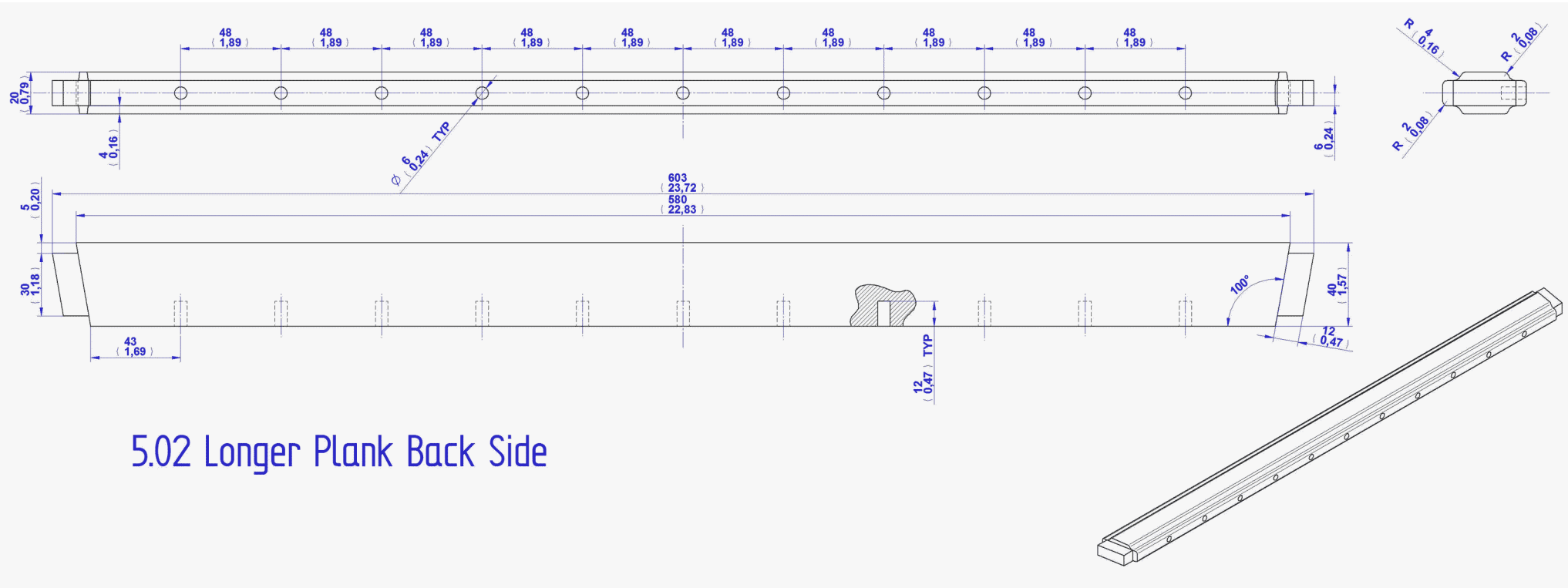


Back Side Subassembly Drawing

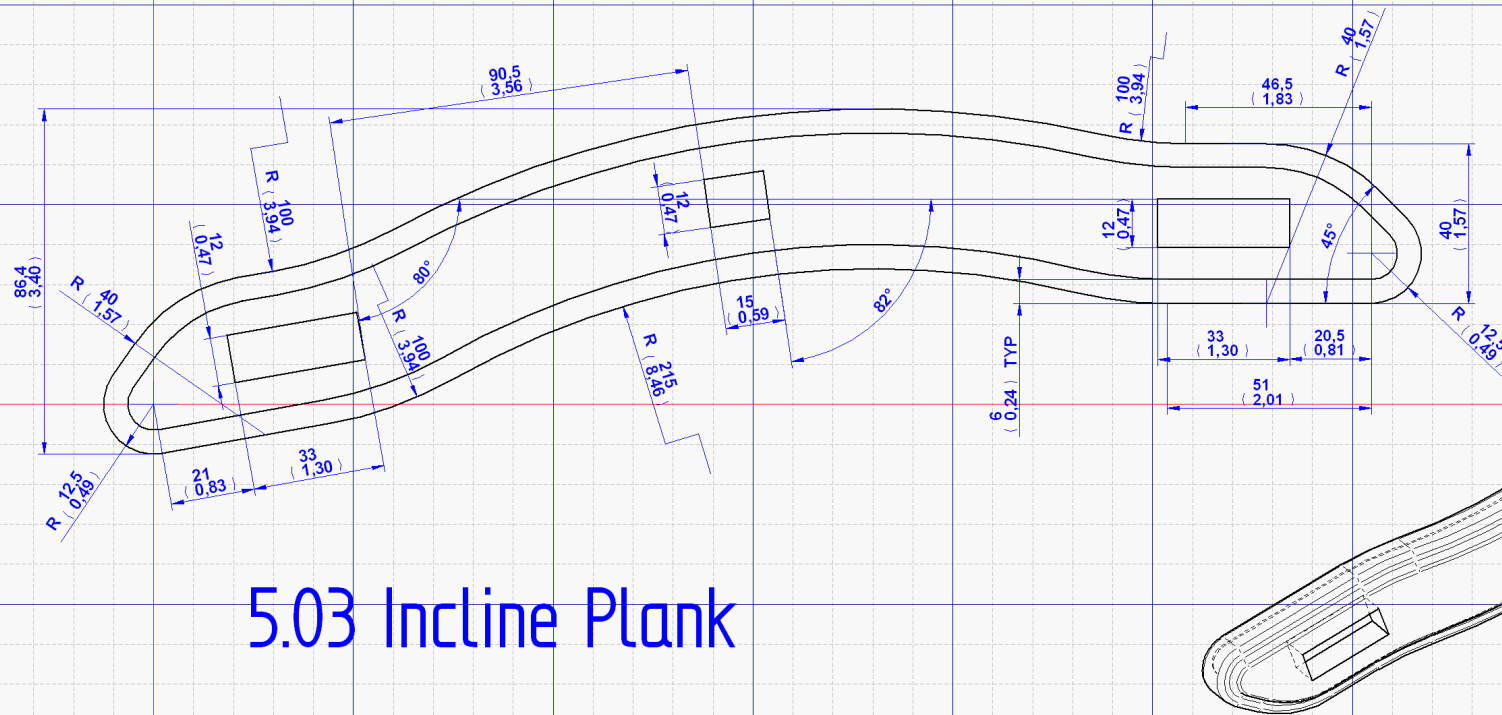
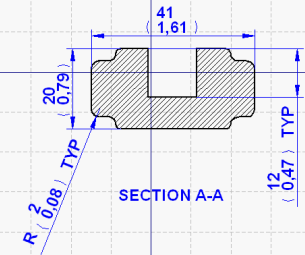
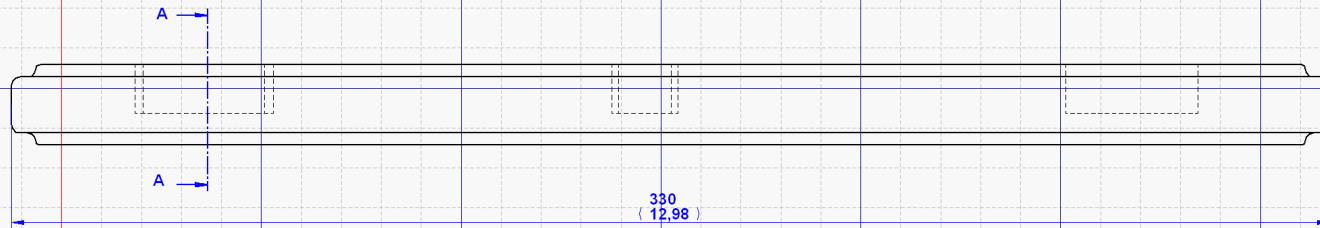


5. Back Side



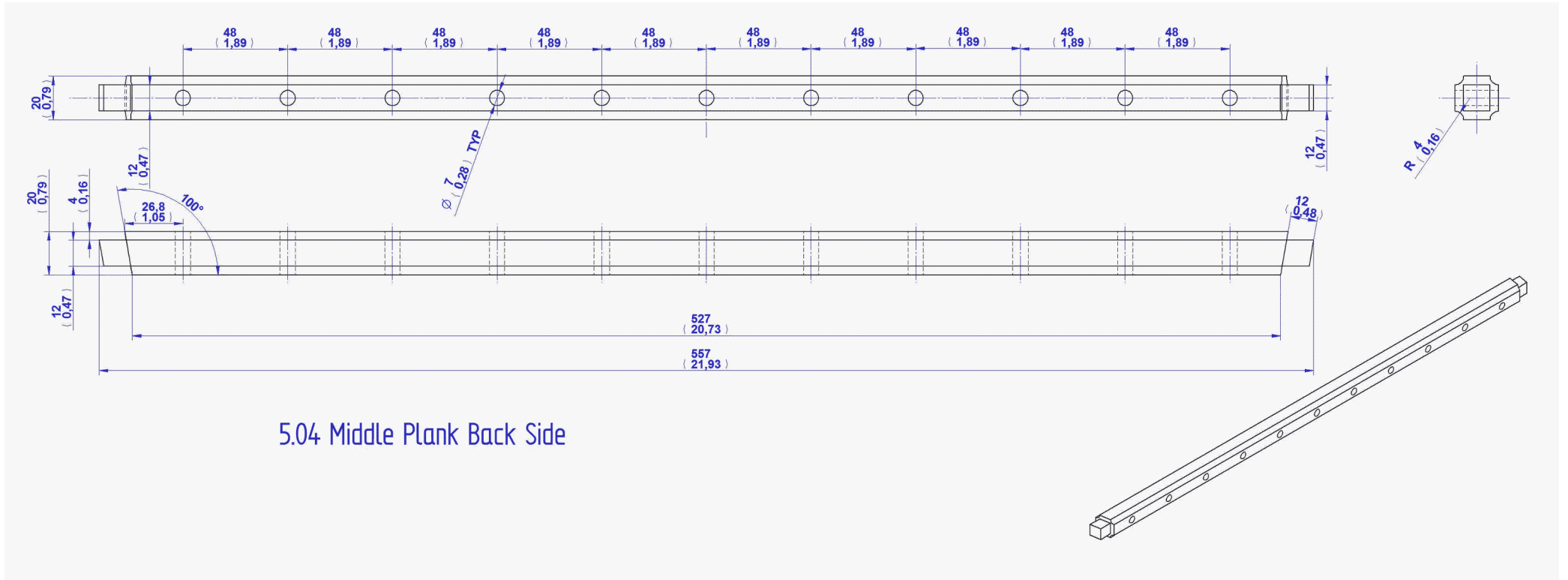


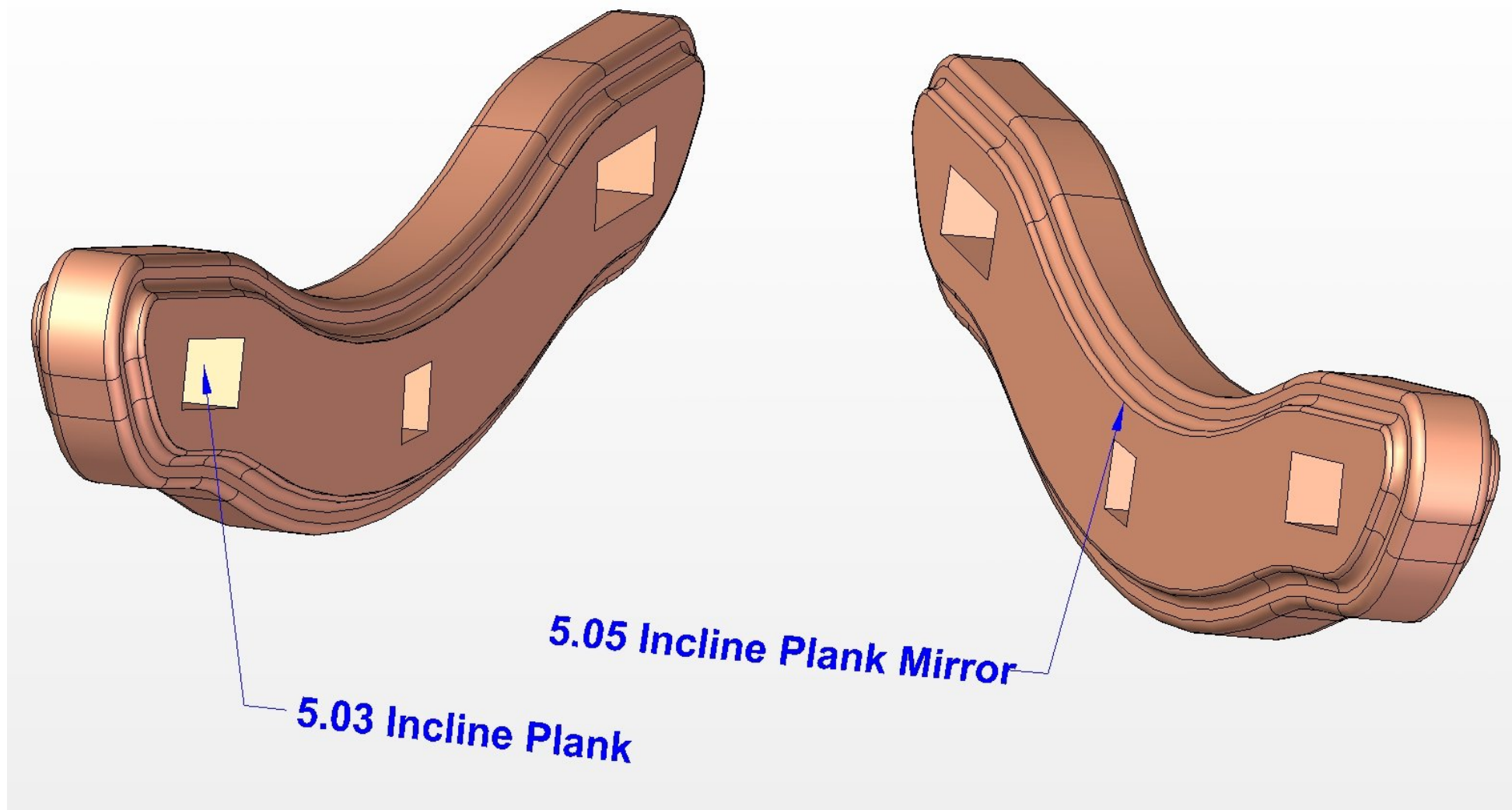
5.02 Longer Plank Back Side

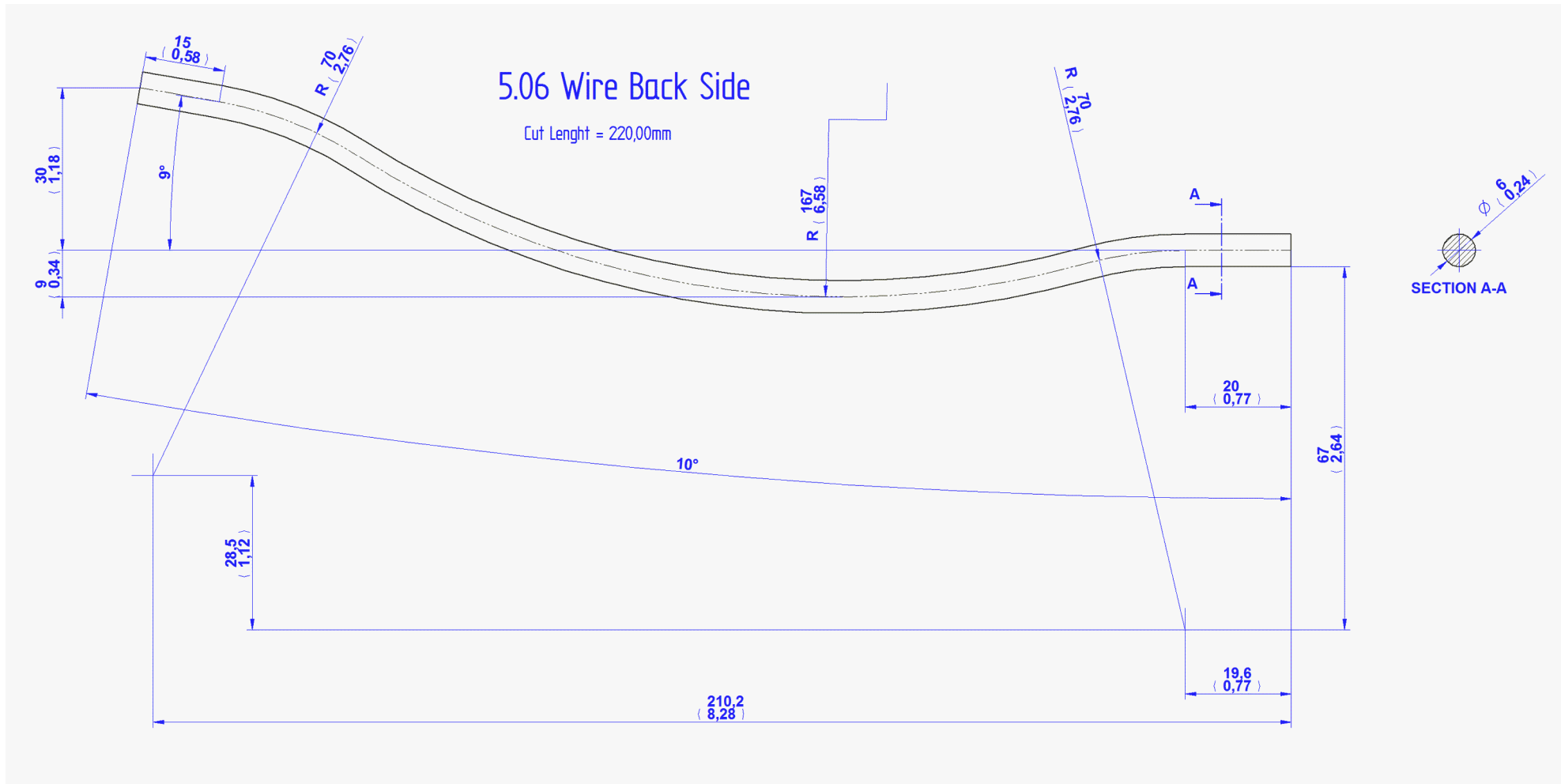


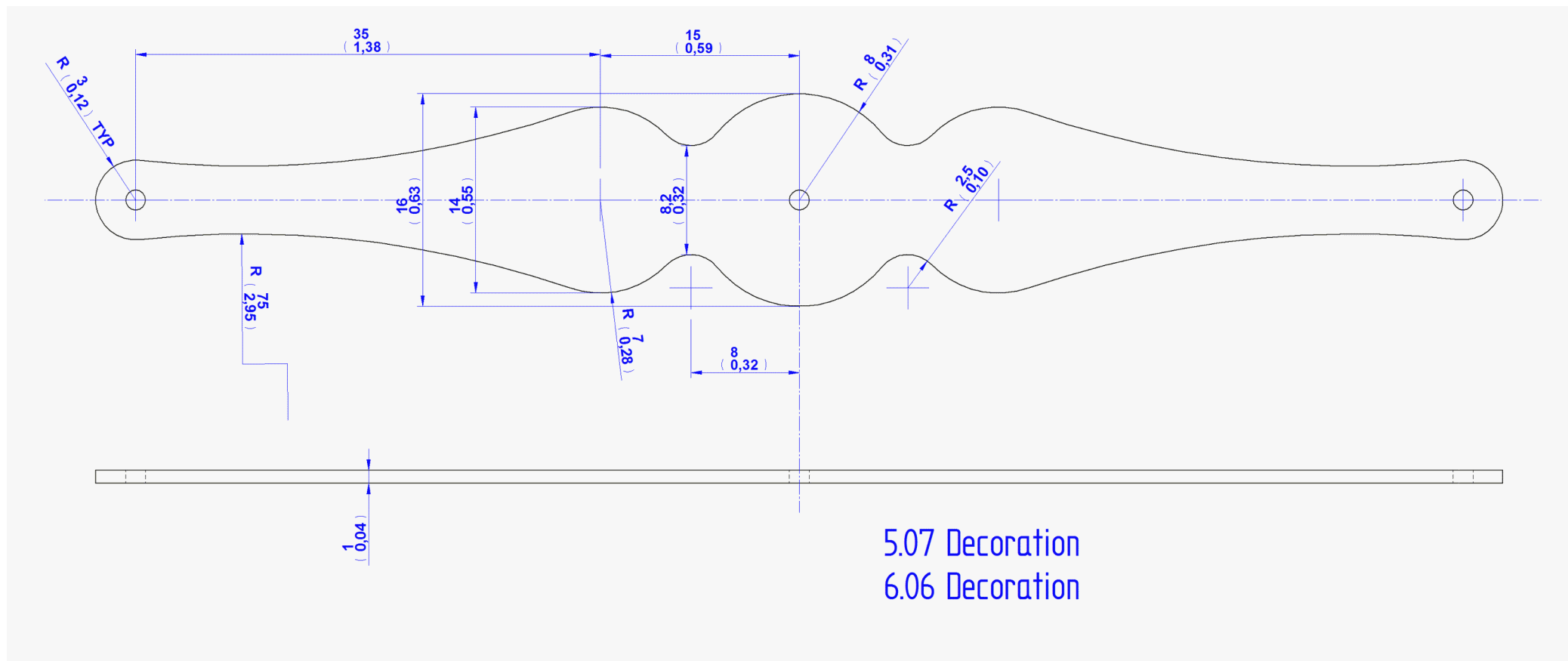
GRID
Distance Between Major Line = 50mm
Distance Between Minor Line = 10mm

5.03 Incline Plank

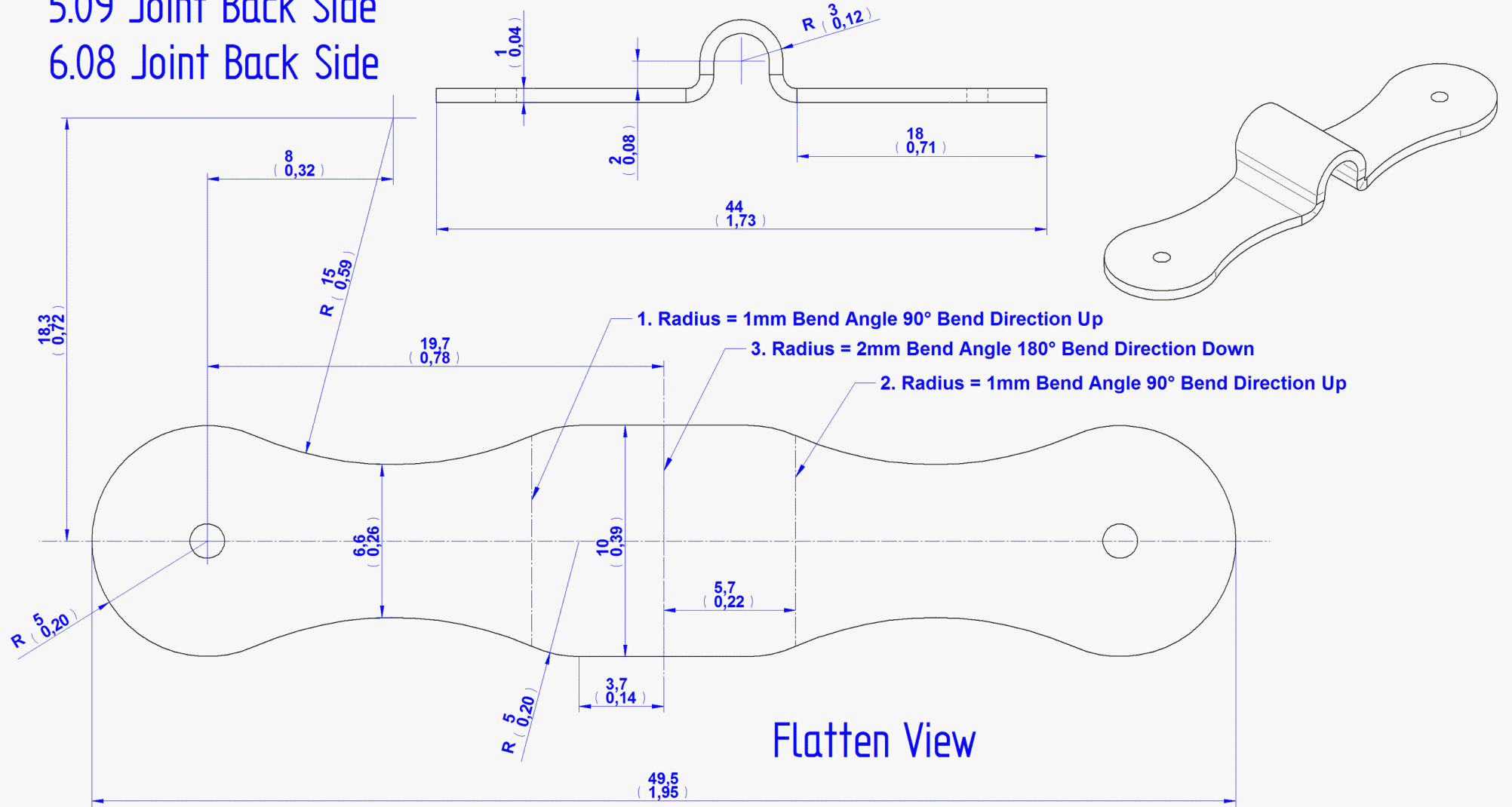


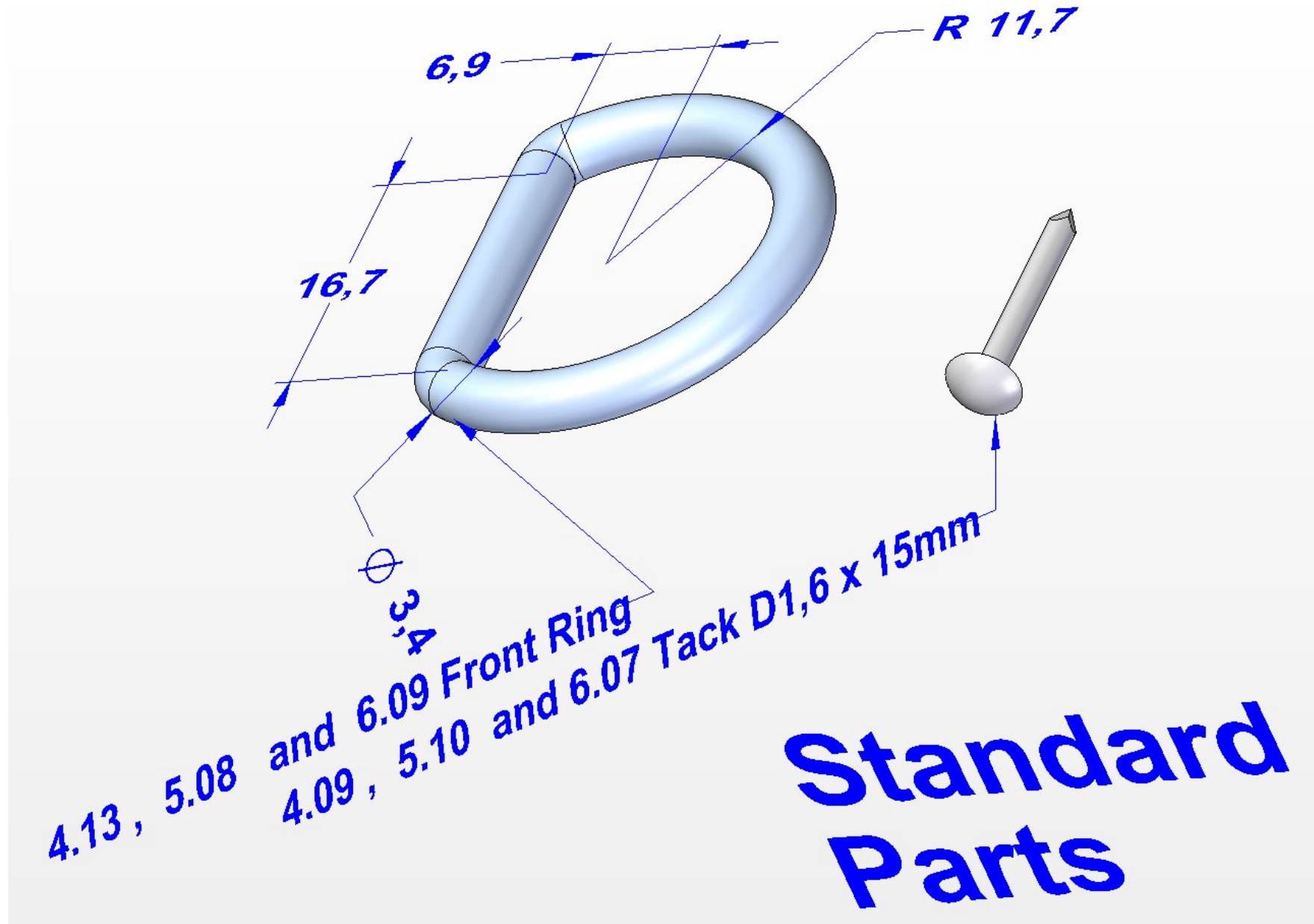




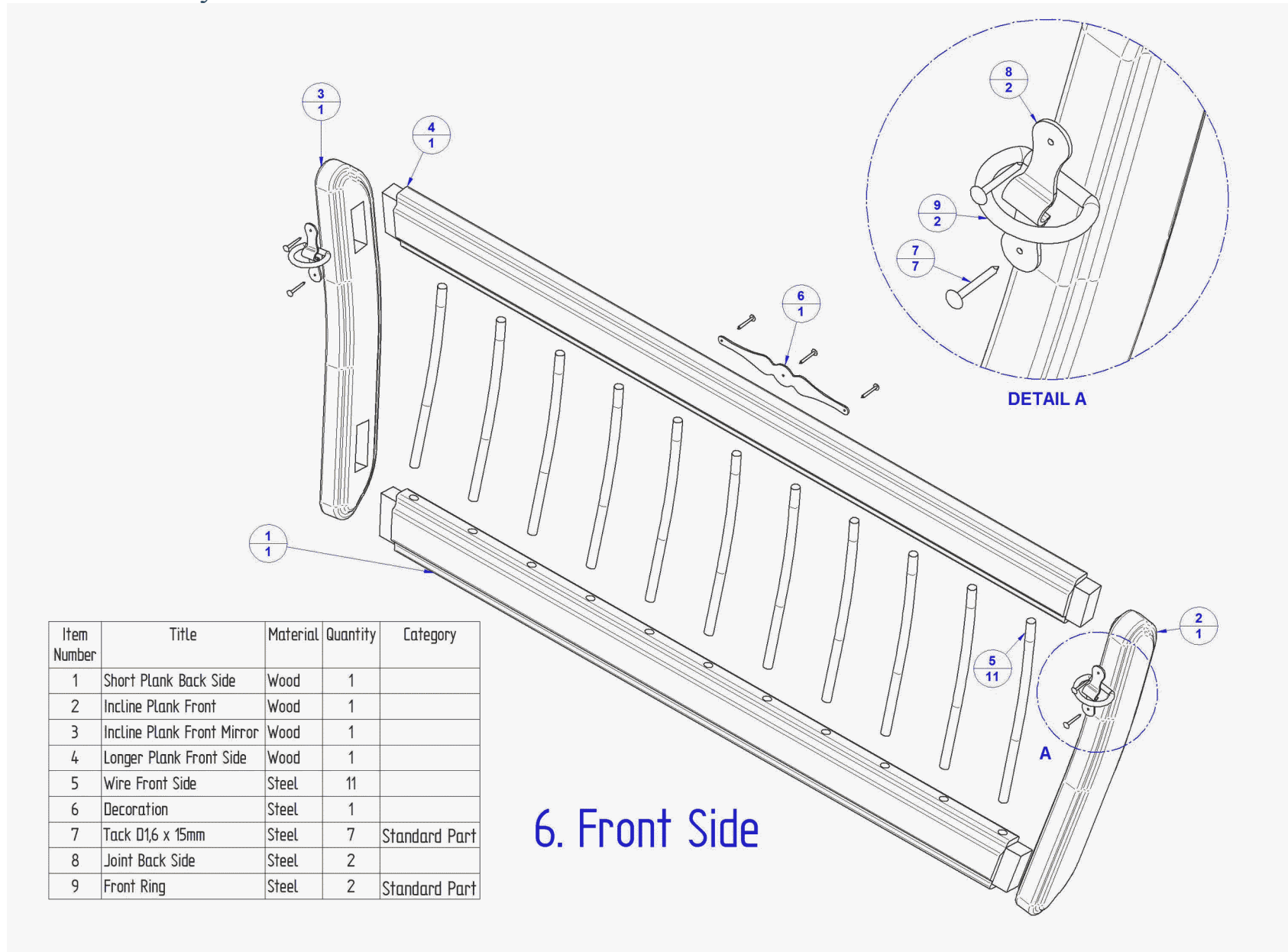


5.09 Joint Back Side
6.08 Joint Back Side



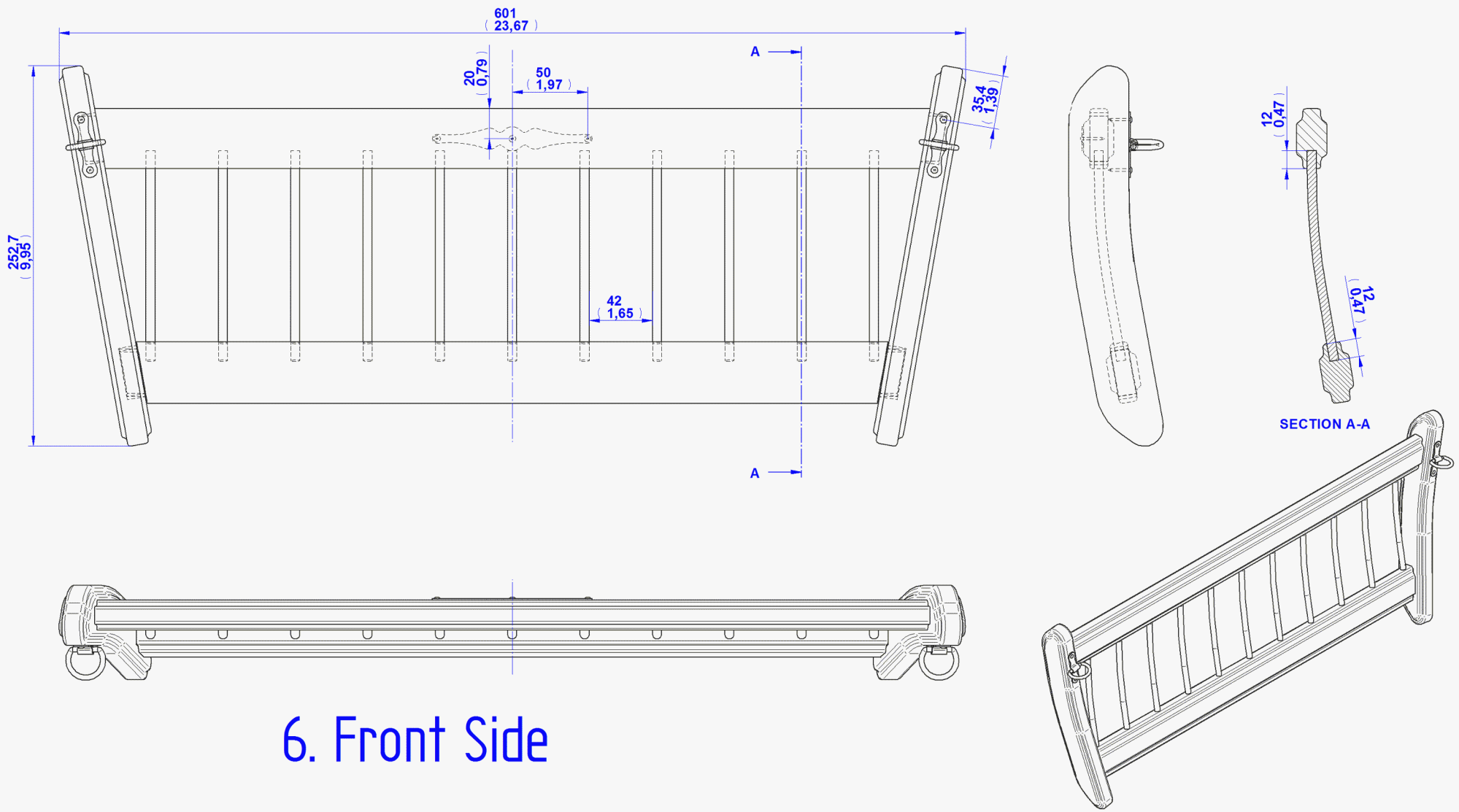


6. Front Side Subassembly - Parts List



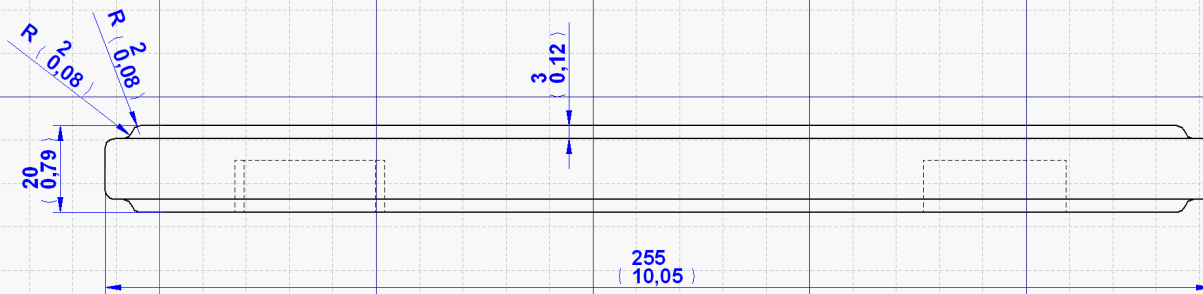
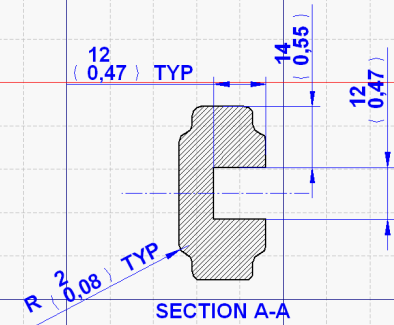
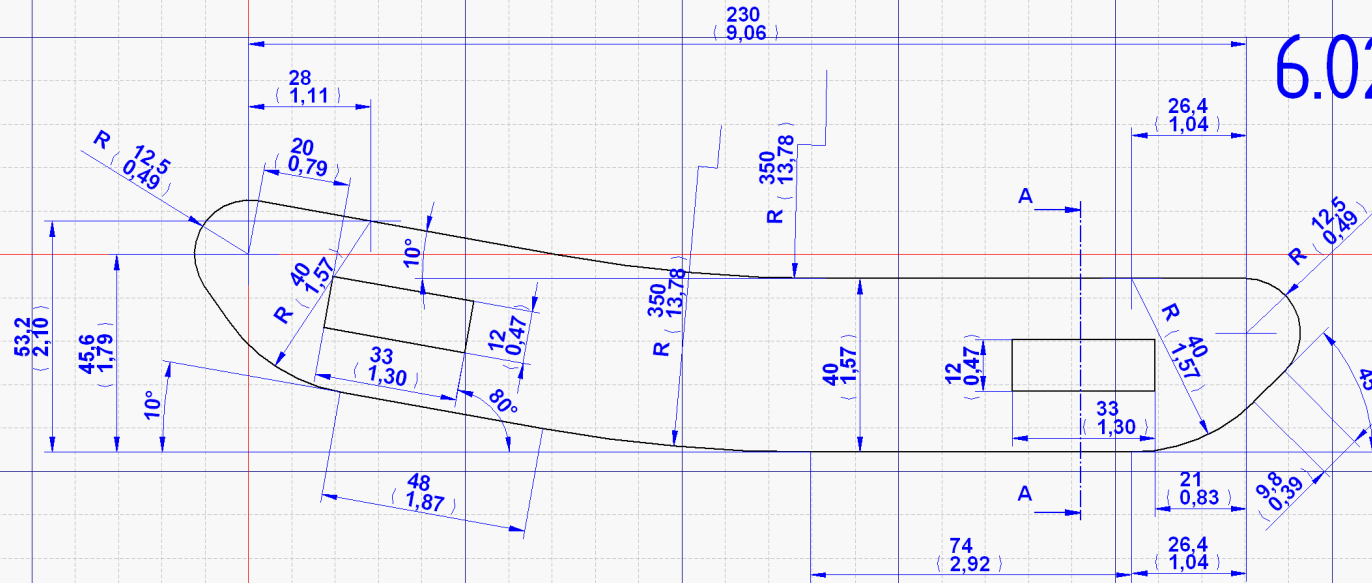
Item Number	Title	Material	Quantity	Category
1	Short Plank Back Side	Wood	1	
2	Incline Plank Front	Wood	1	
3	Incline Plank Front Mirror	Wood	1	
4	Longer Plank Front Side	Wood	1	
5	Wire Front Side	Steel	11	
6	Decoration	Steel	1	
7	Tack Ø1,6 x 15mm	Steel	7	Standard Part
8	Joint Back Side	Steel	2	
9	Front Ring	Steel	2	Standard Part

Front Side Subassembly Drawing

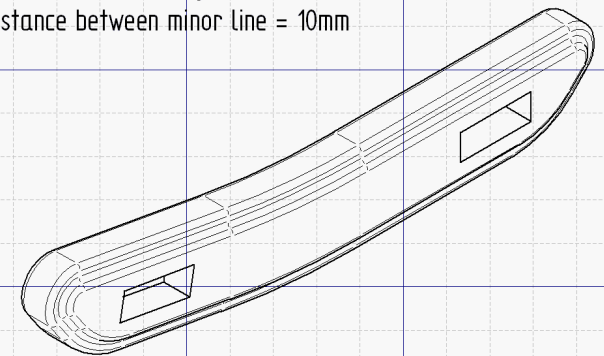


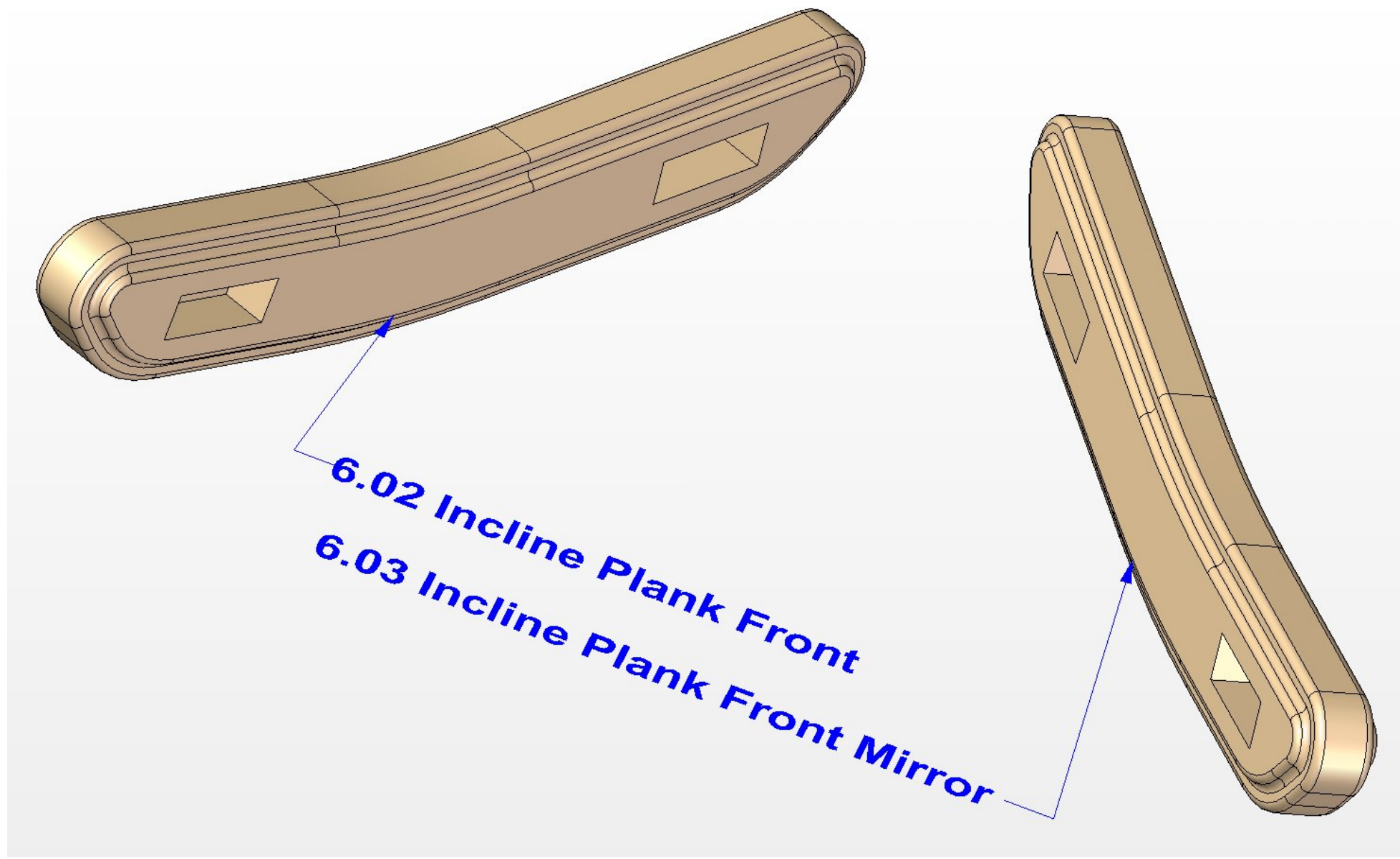
6. Front Side

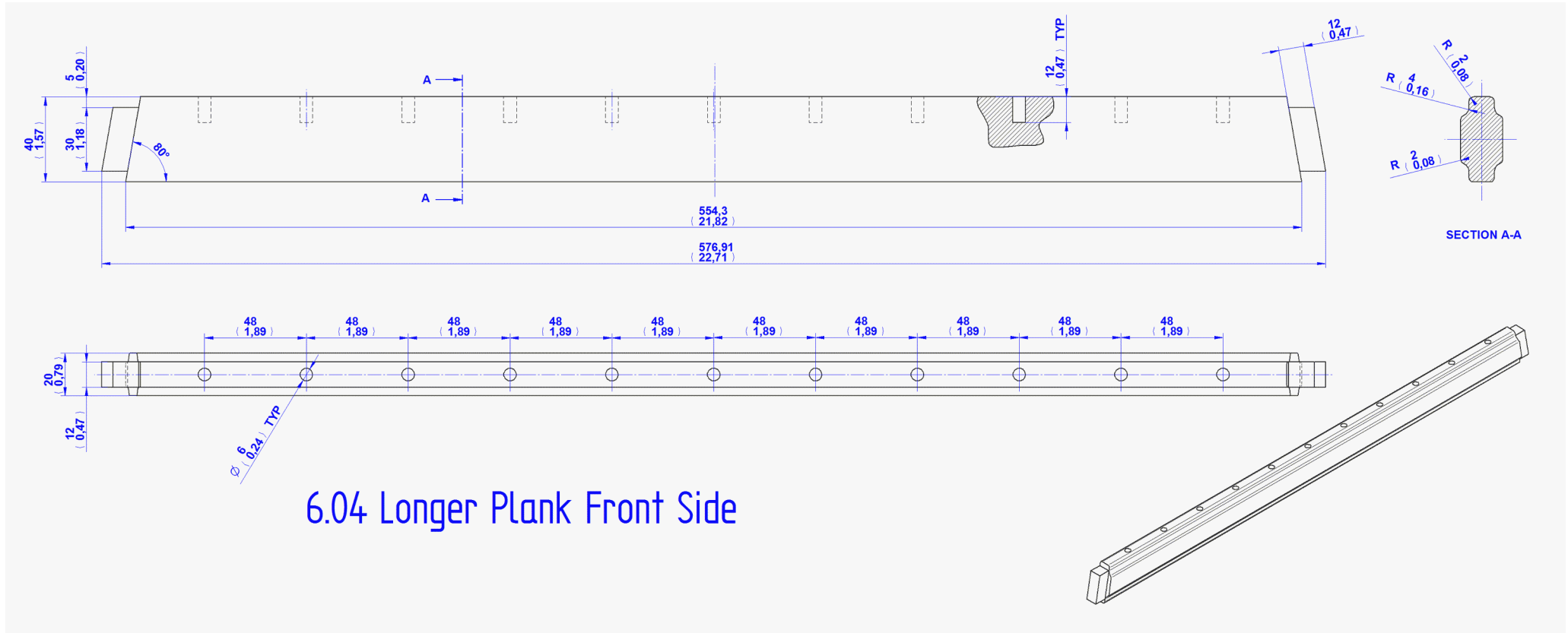
6.02 Incline Plank Front



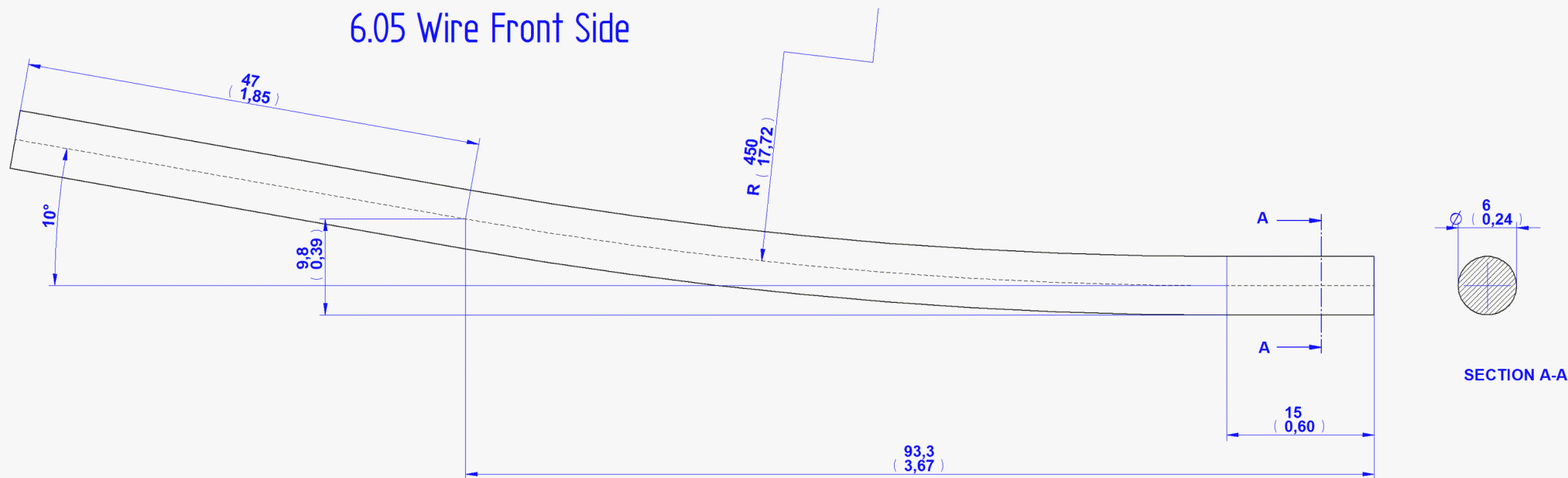
Distance between Major Line = 50mm
Distance between minor Line = 10mm

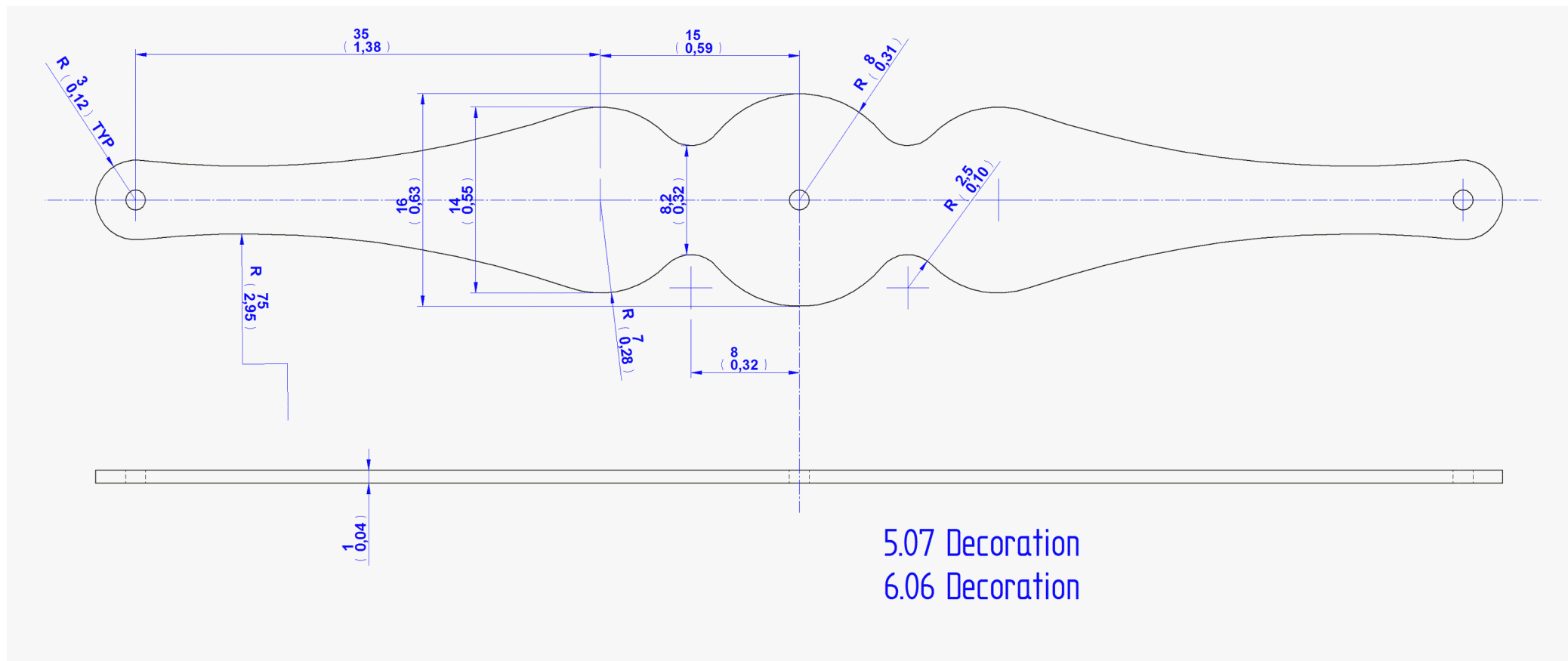




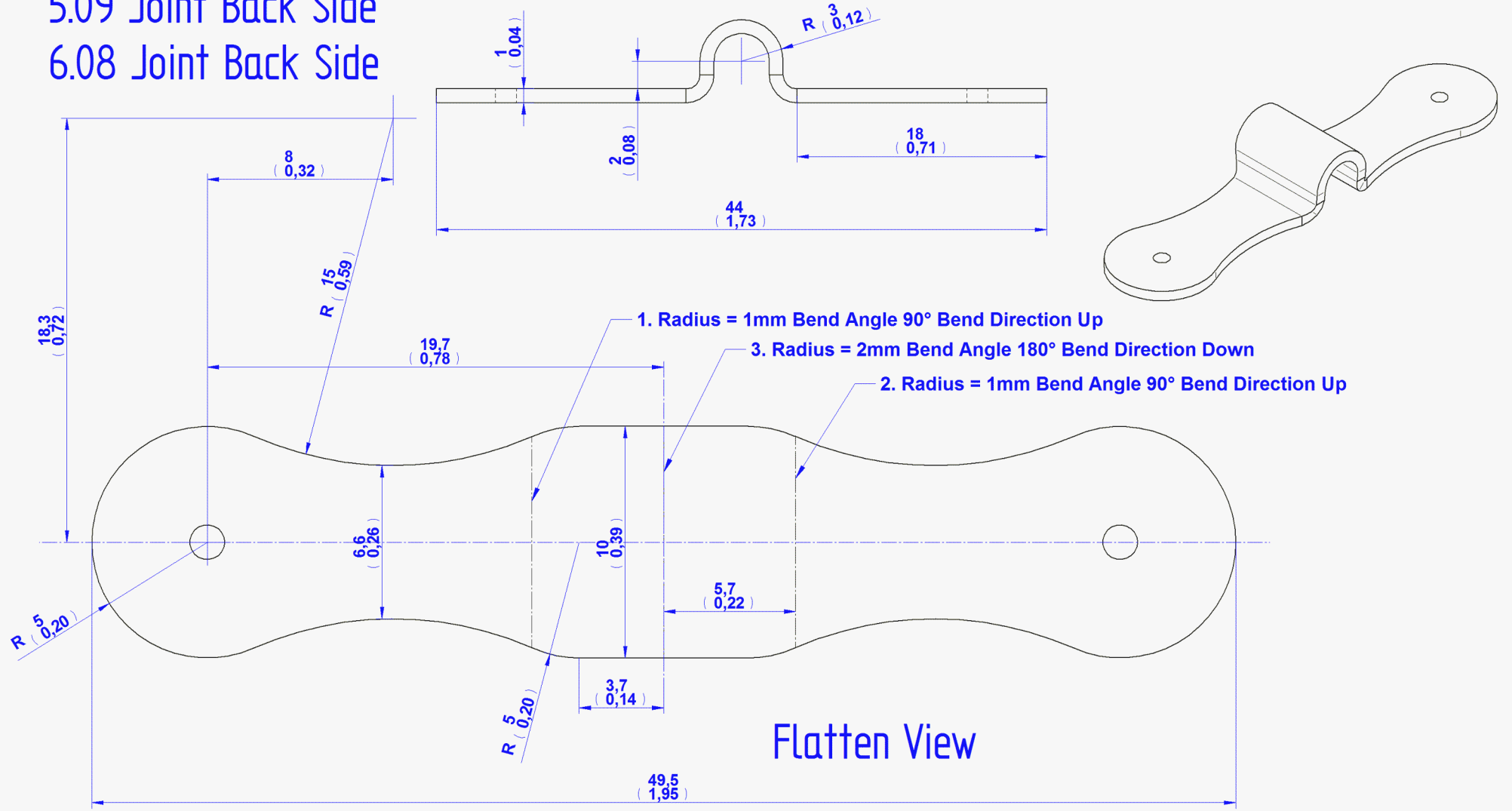


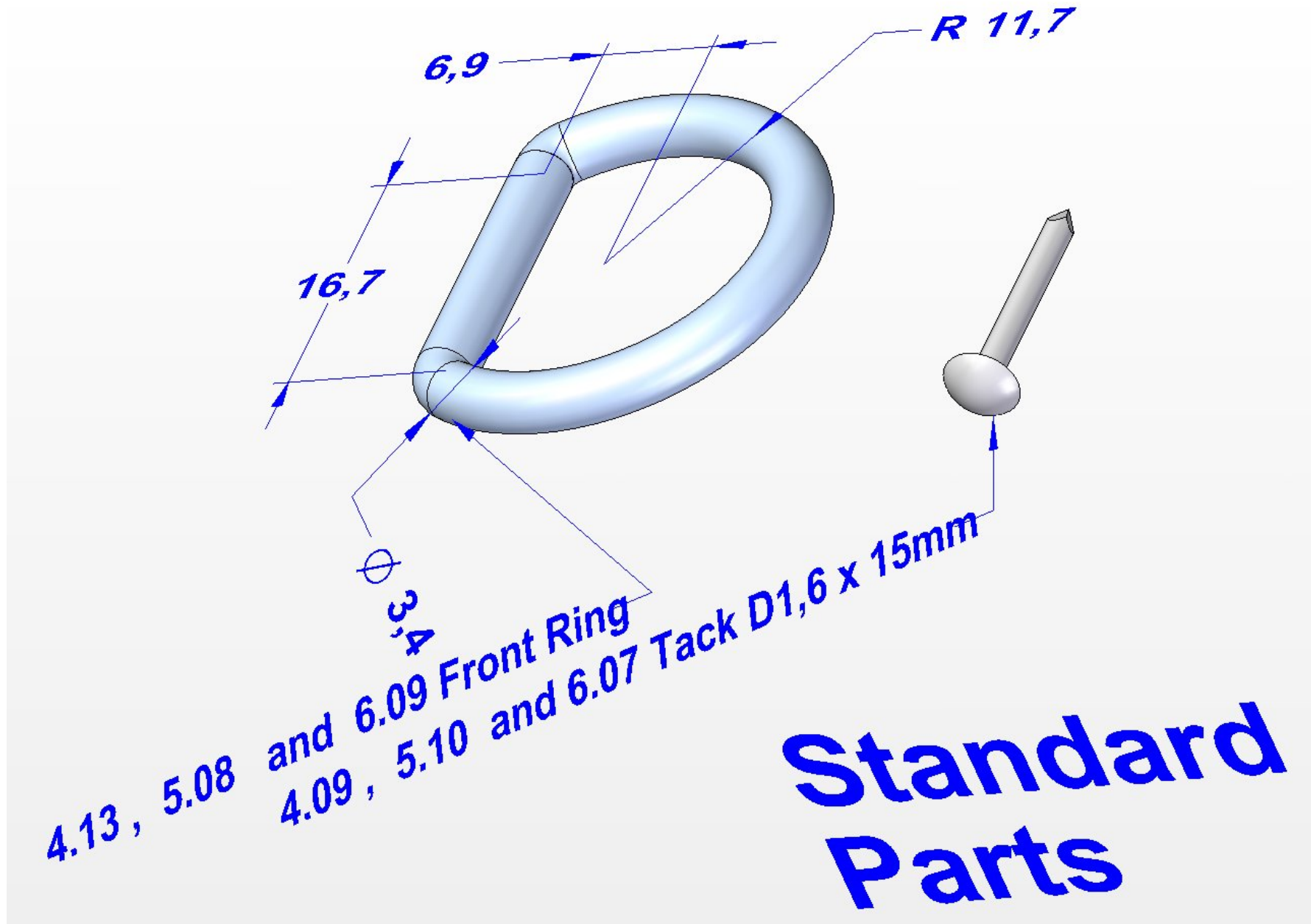
6.05 Wire Front Side



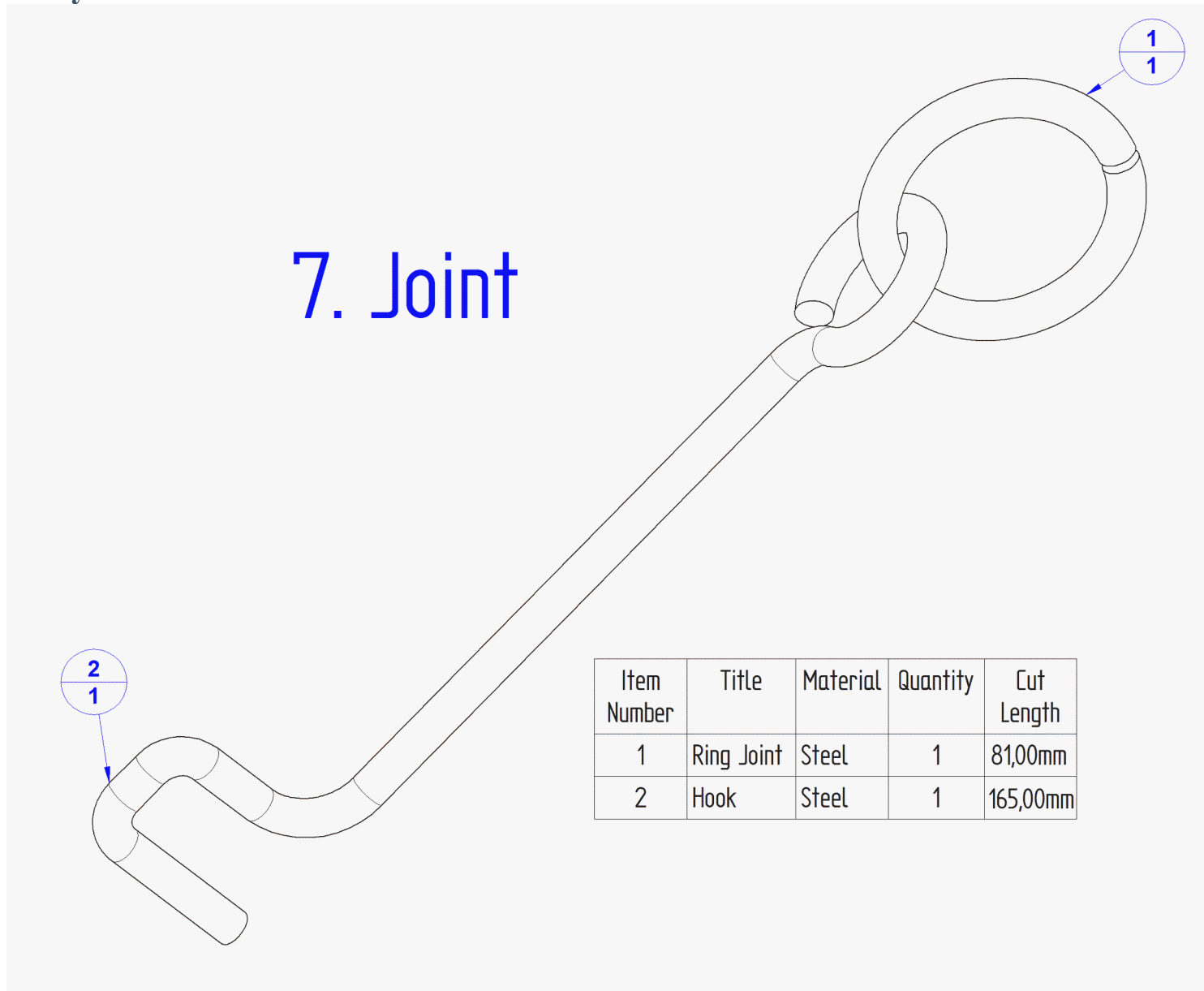


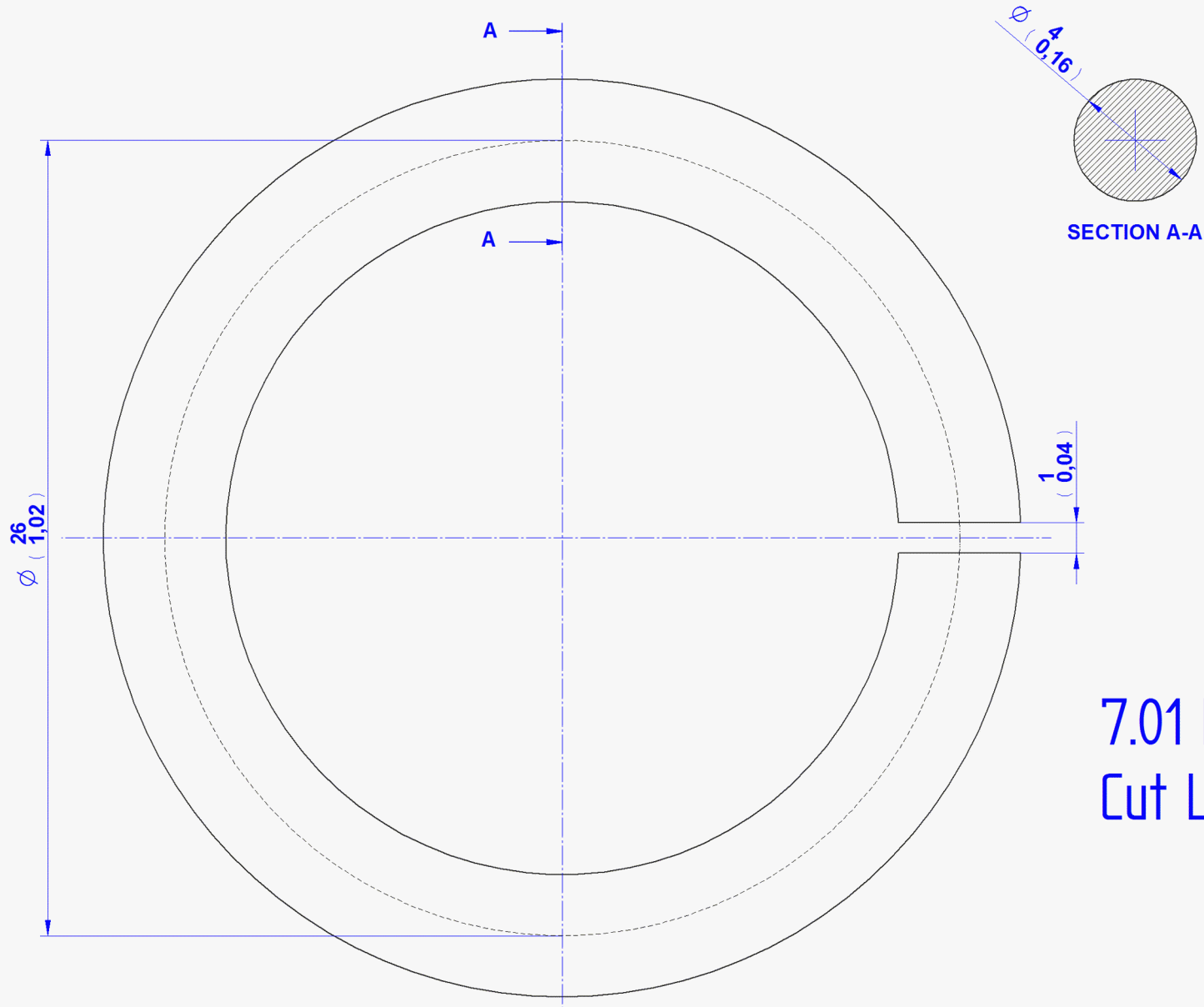
5.09 Joint Back Side
6.08 Joint Back Side



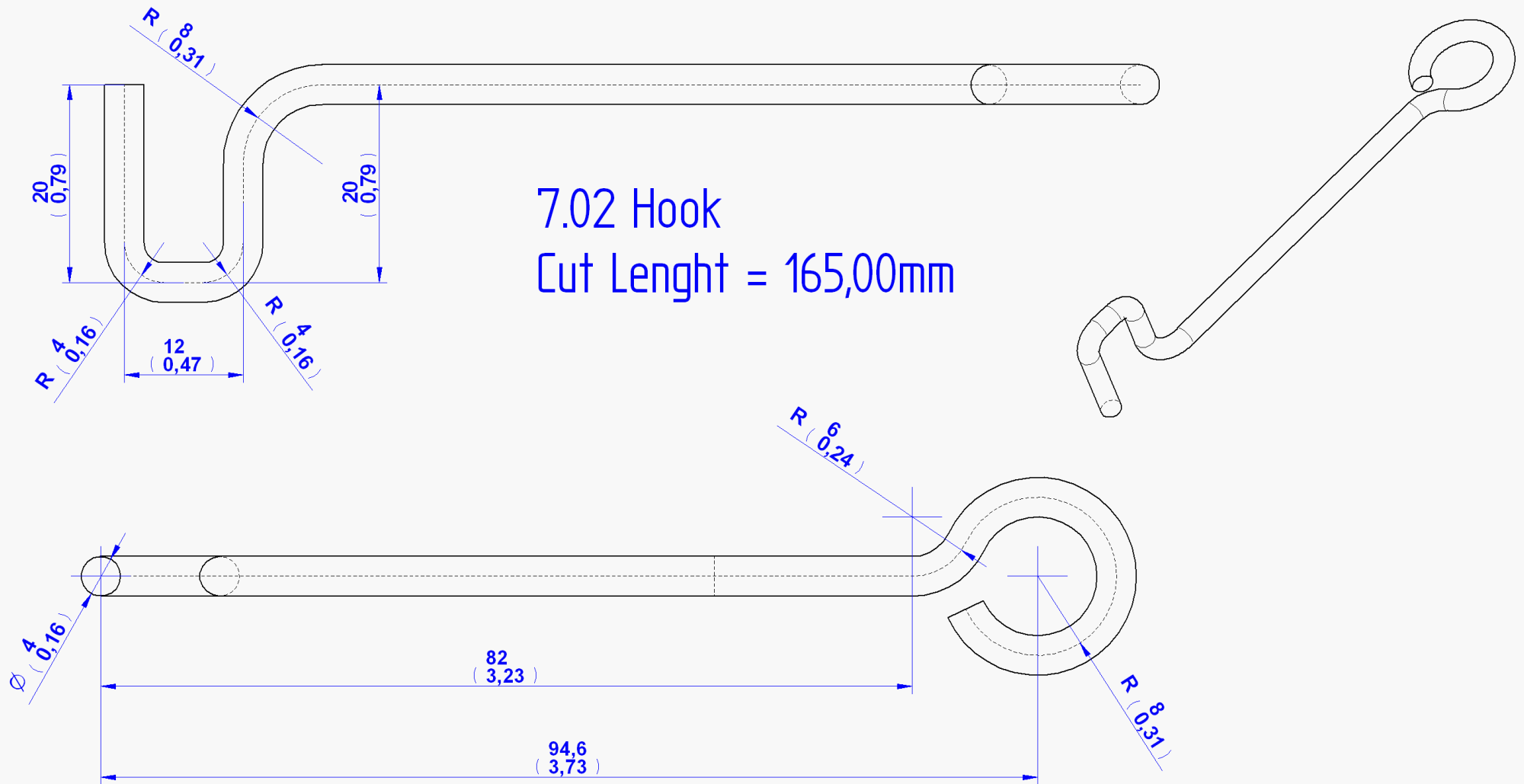


7. Joint Subassembly - Parts List



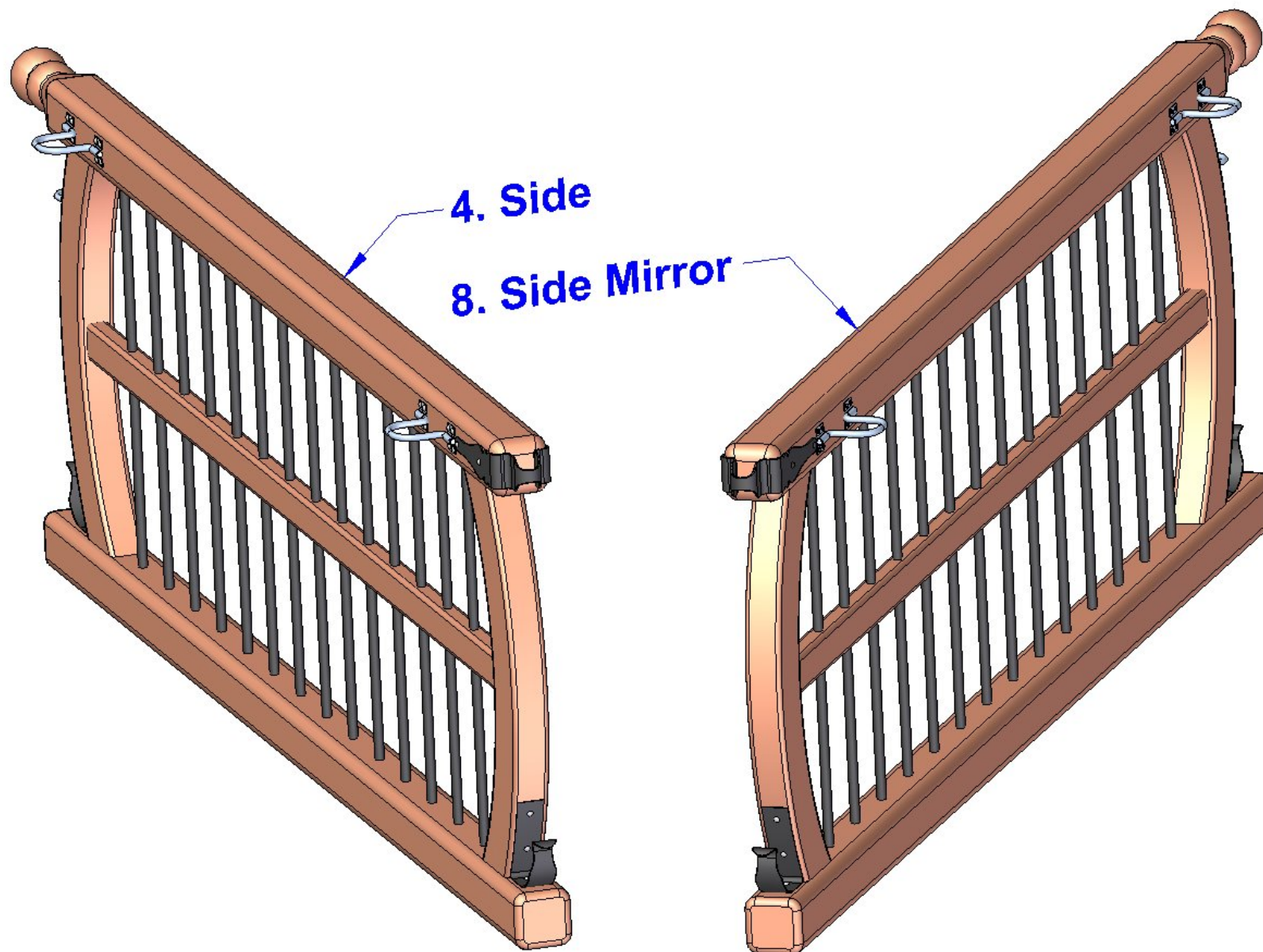


7.01 Ring Joint
Cut Length = 81mm



7.02 Hook
Cut Length = 165,00mm

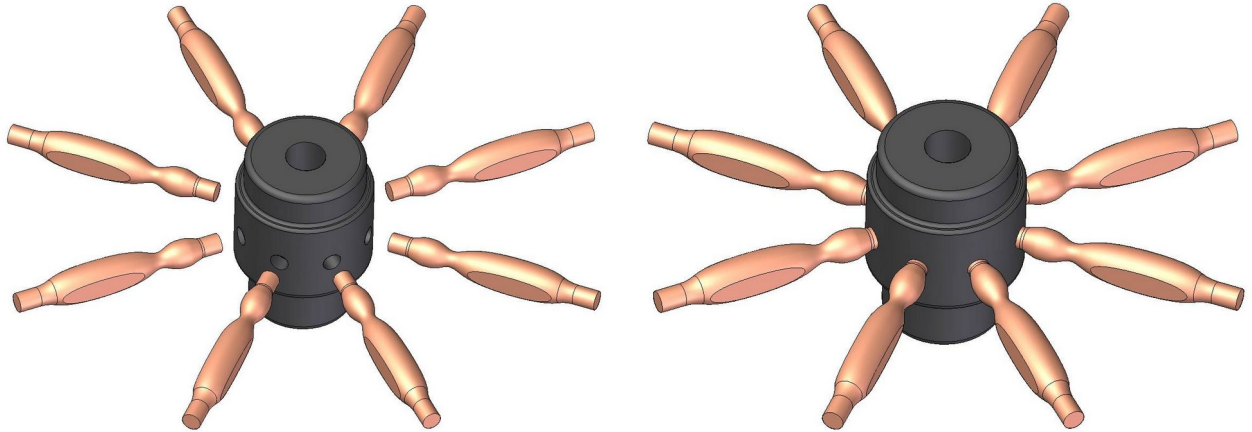
8. Side Mirror Subassembly



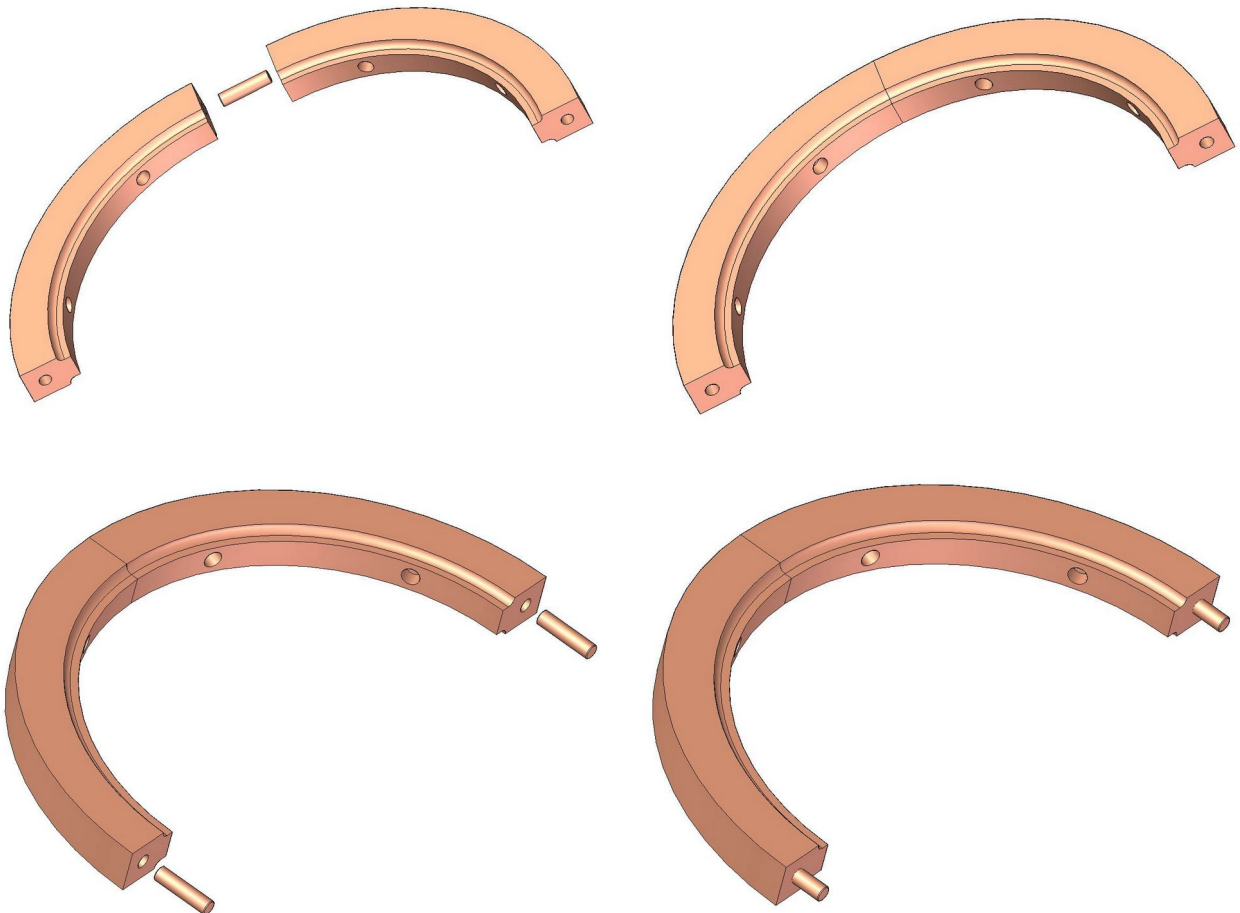
Assemblage images

1. WHEEL

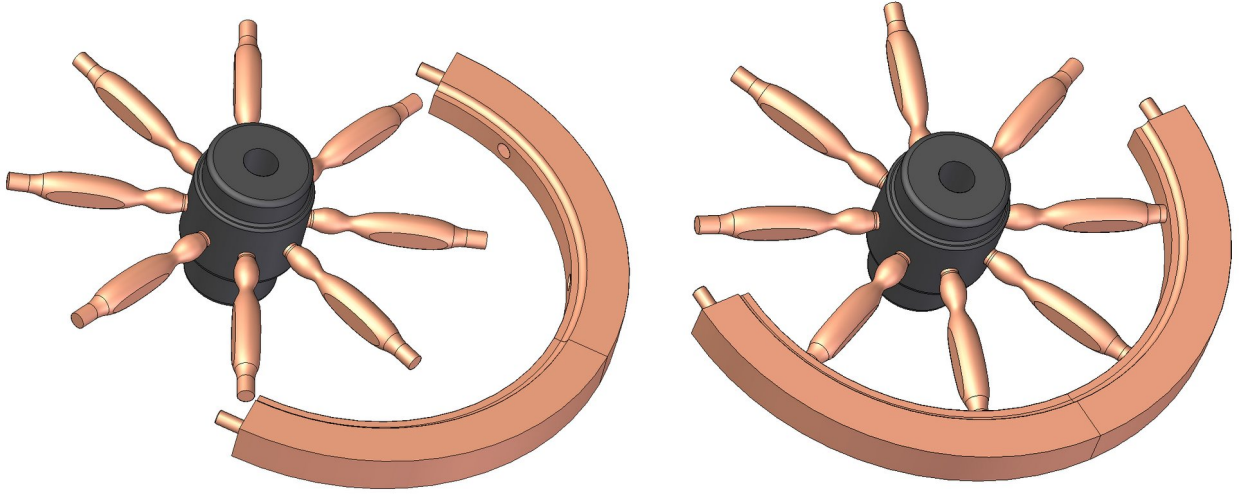
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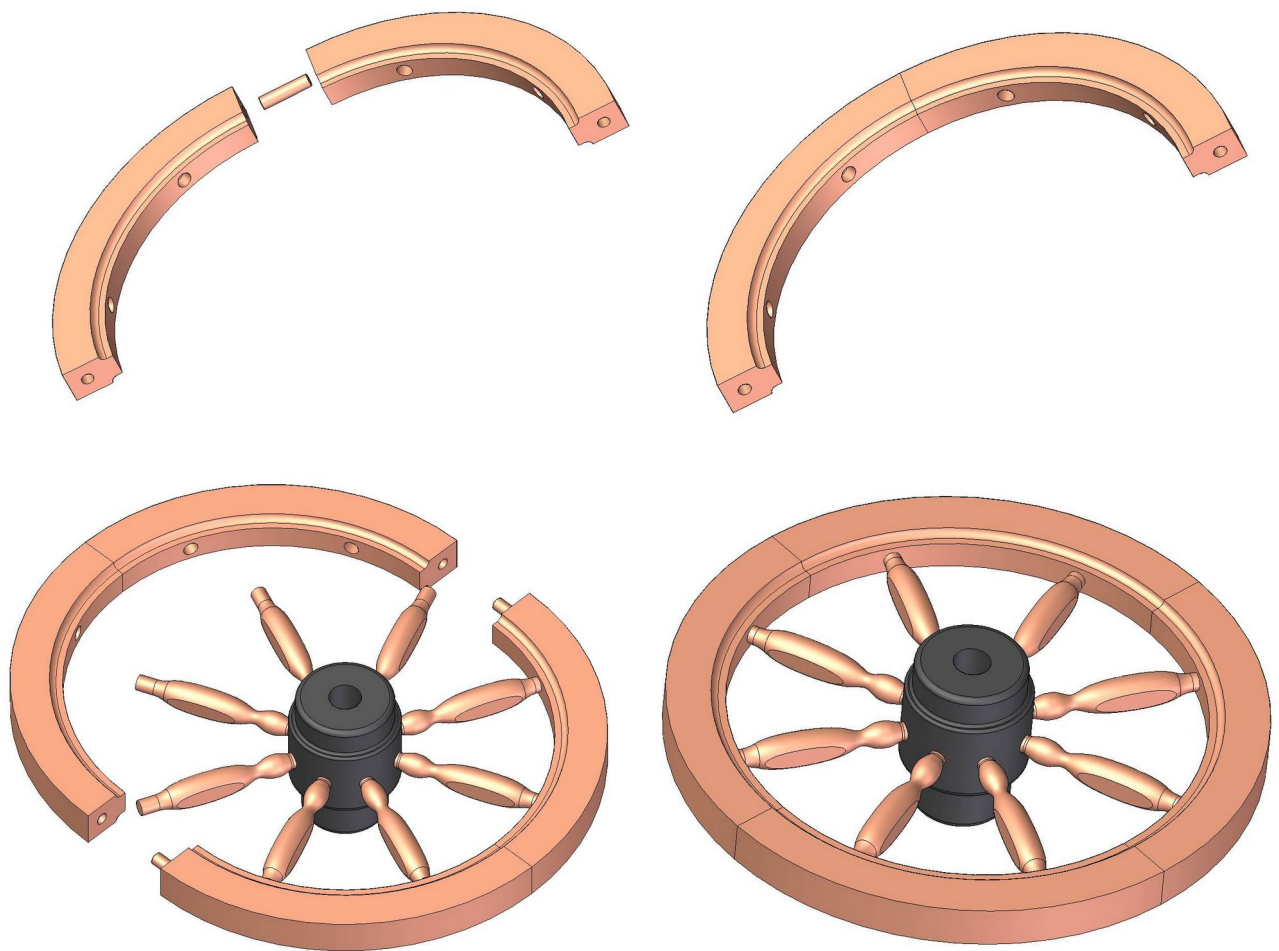
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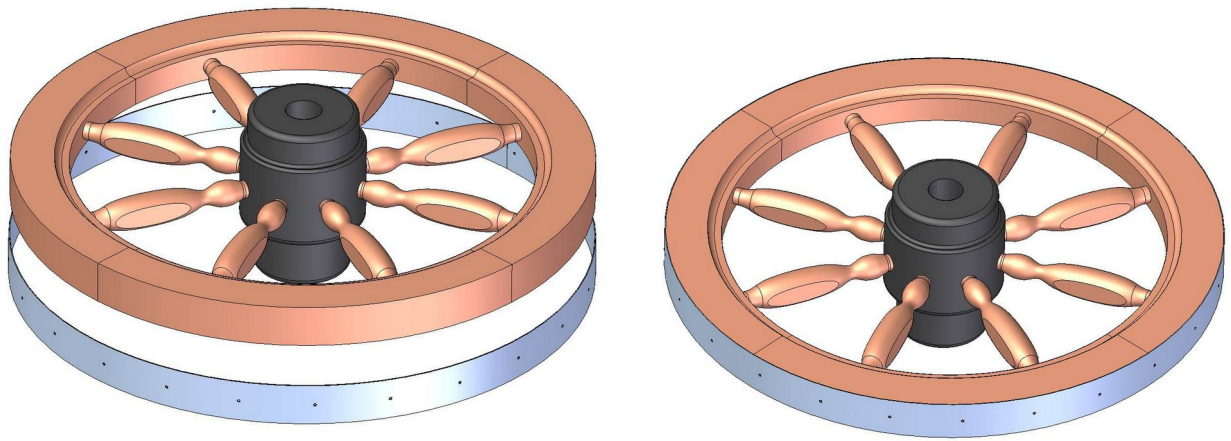
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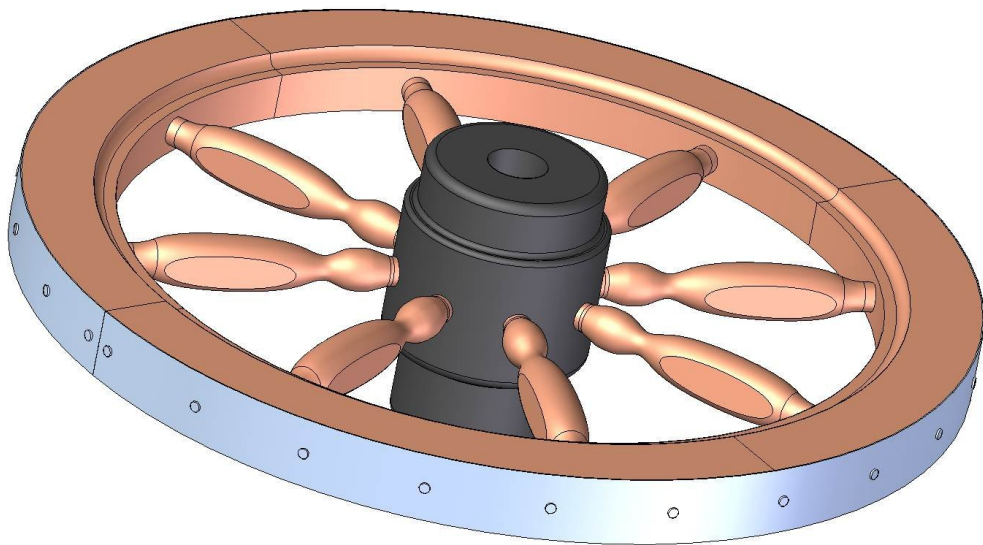
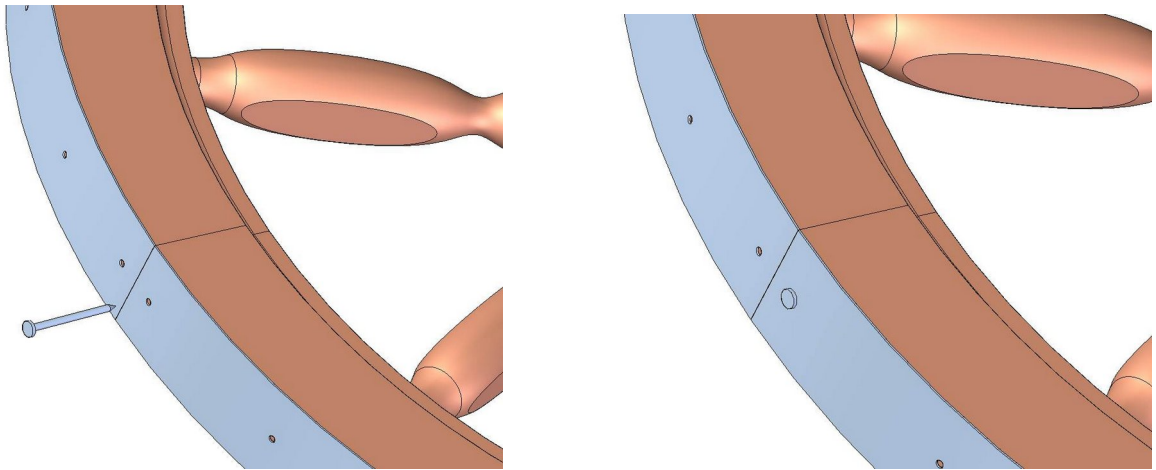
4.



5.

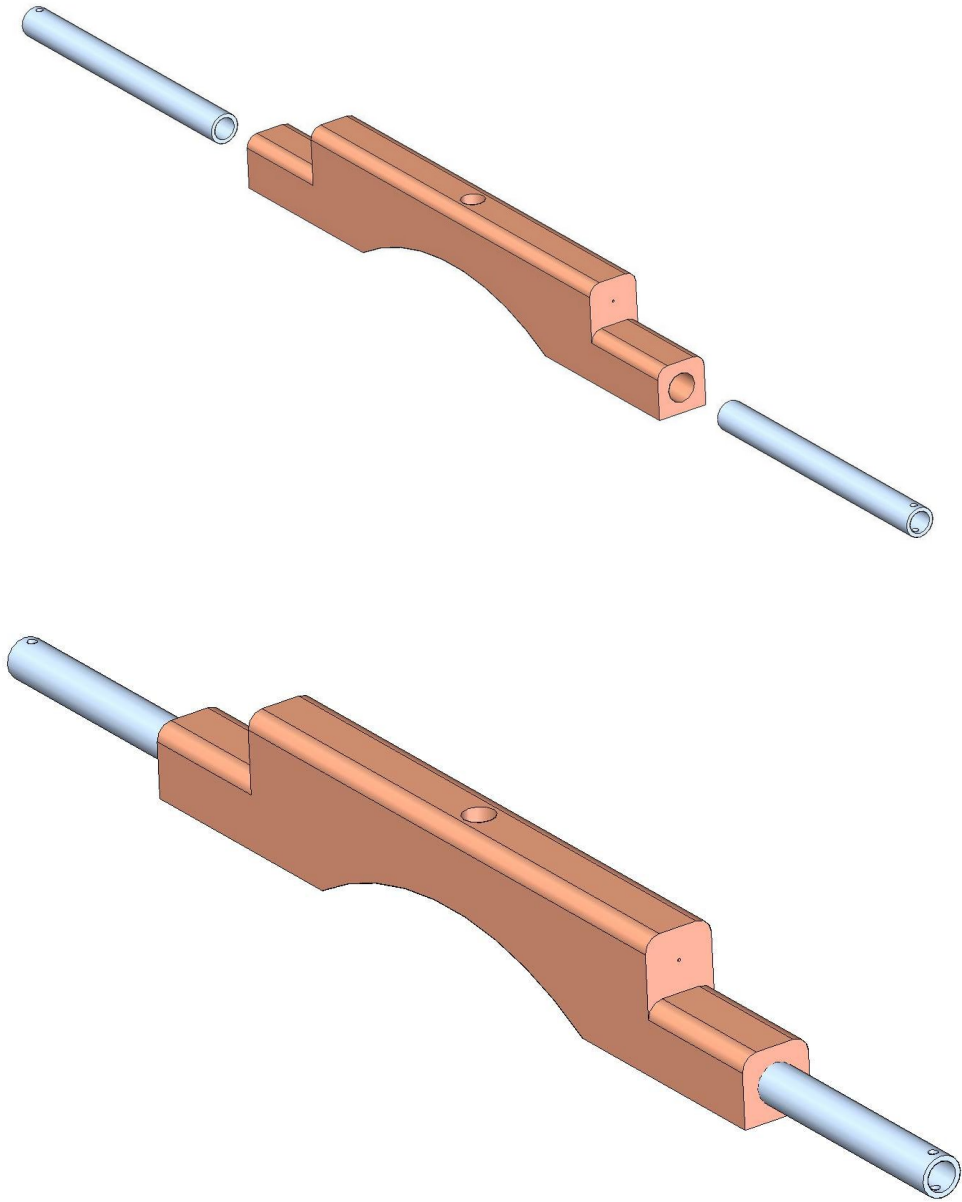


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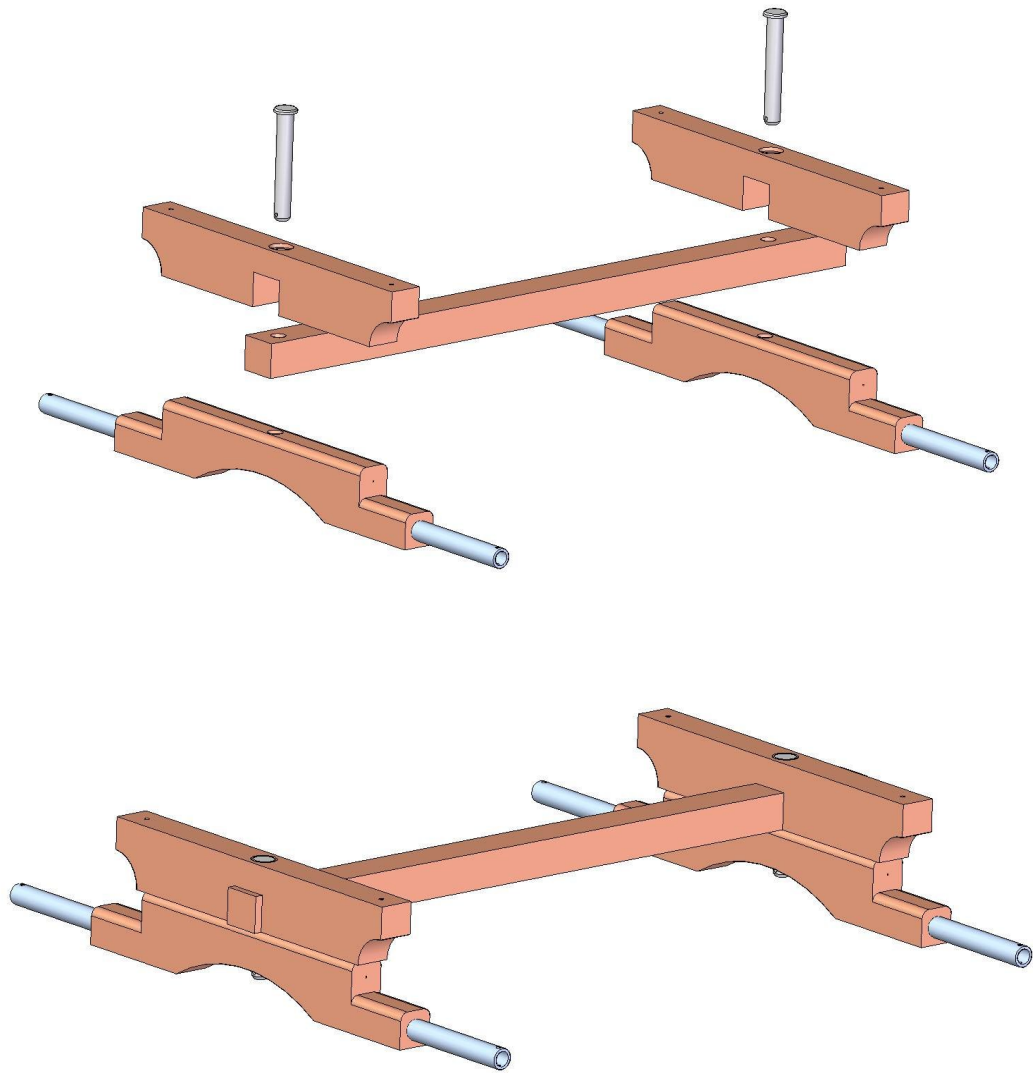


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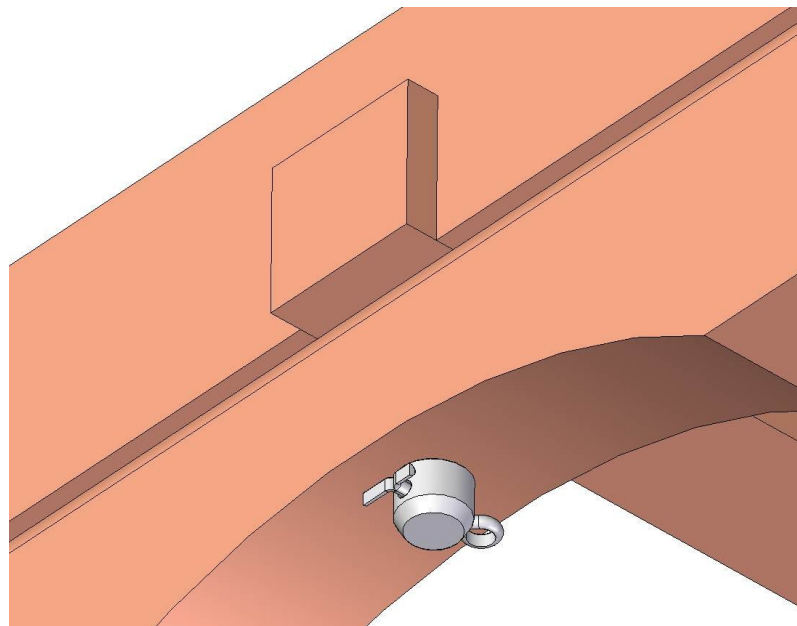
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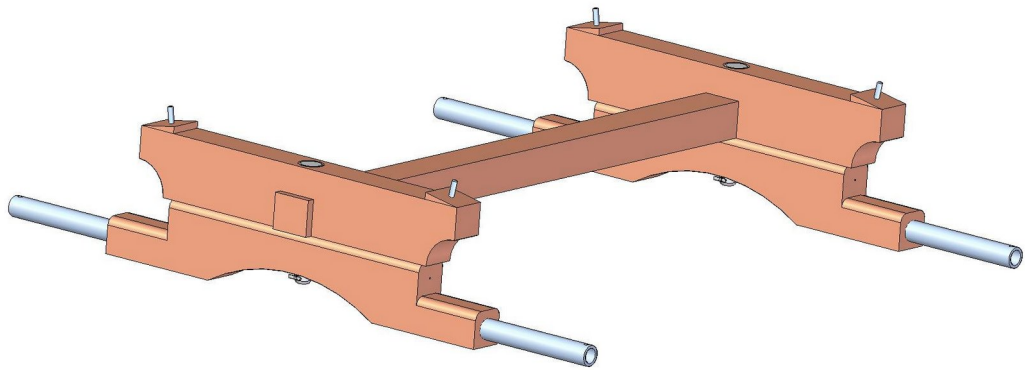
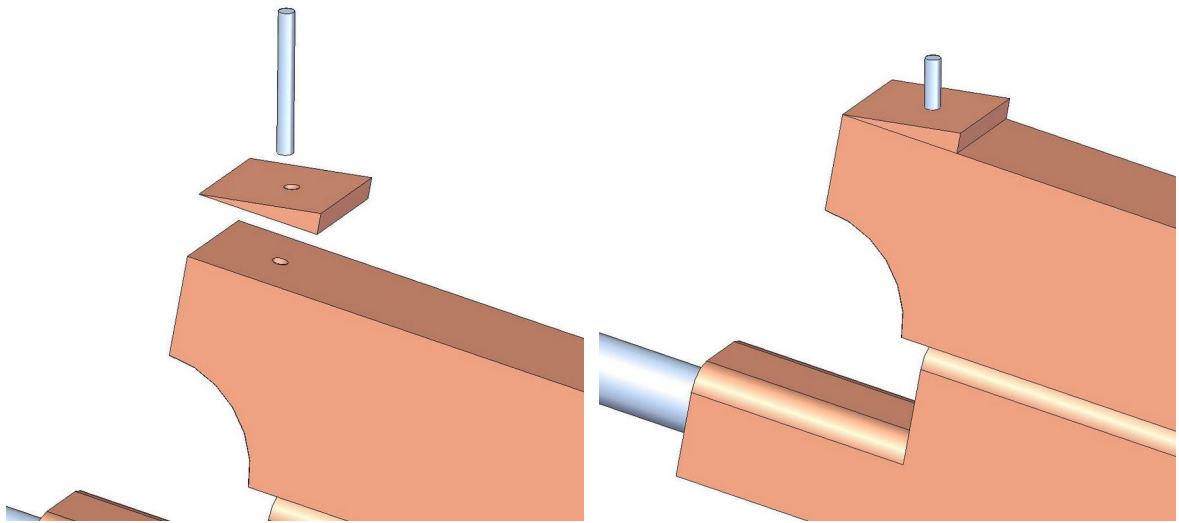
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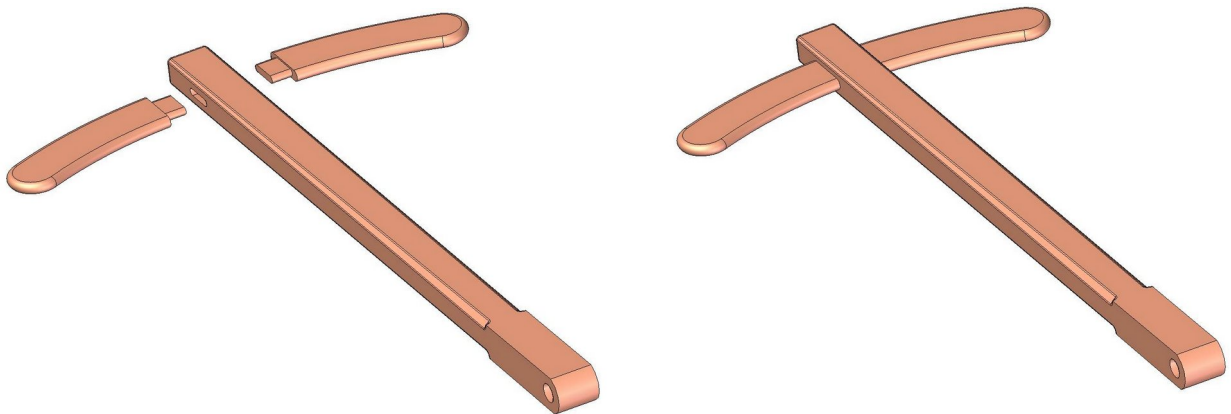
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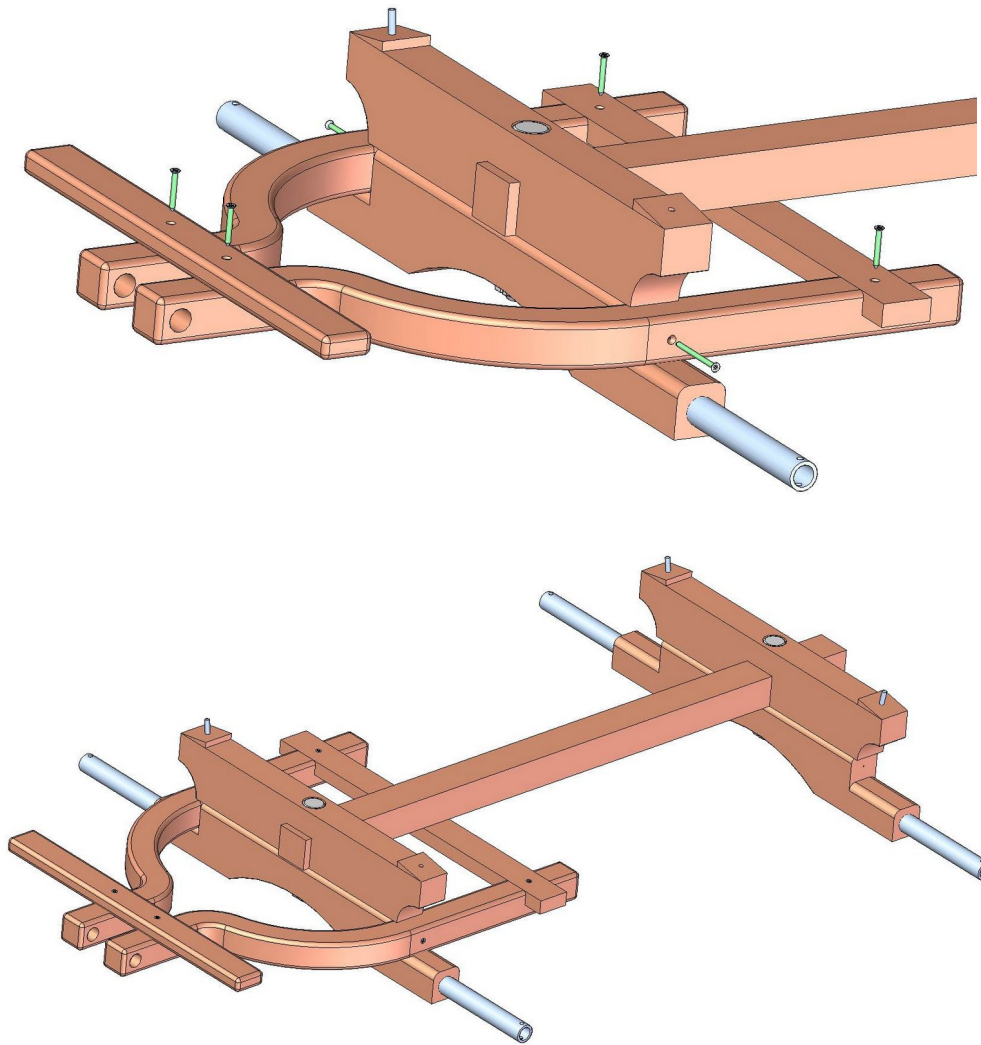
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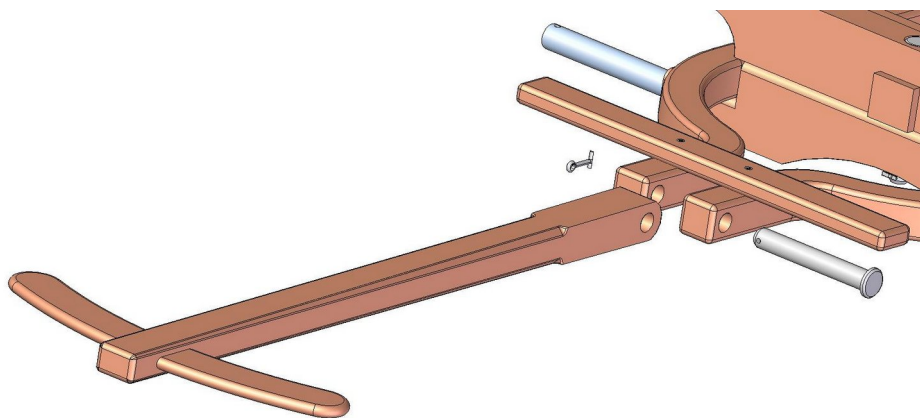
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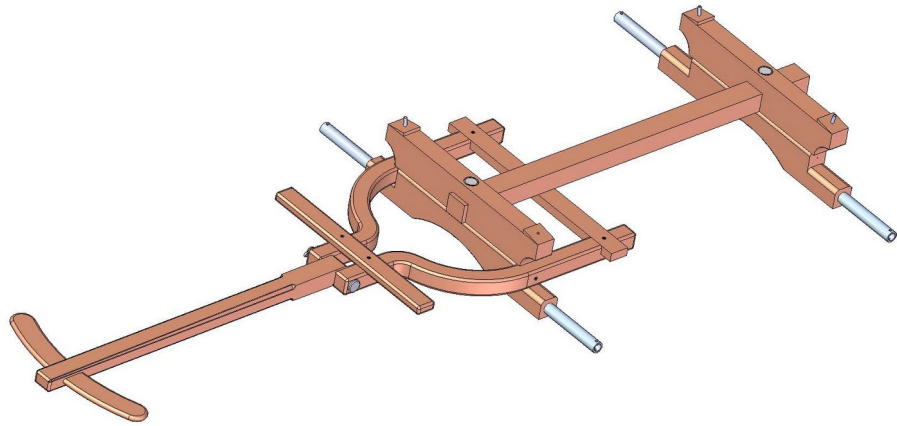


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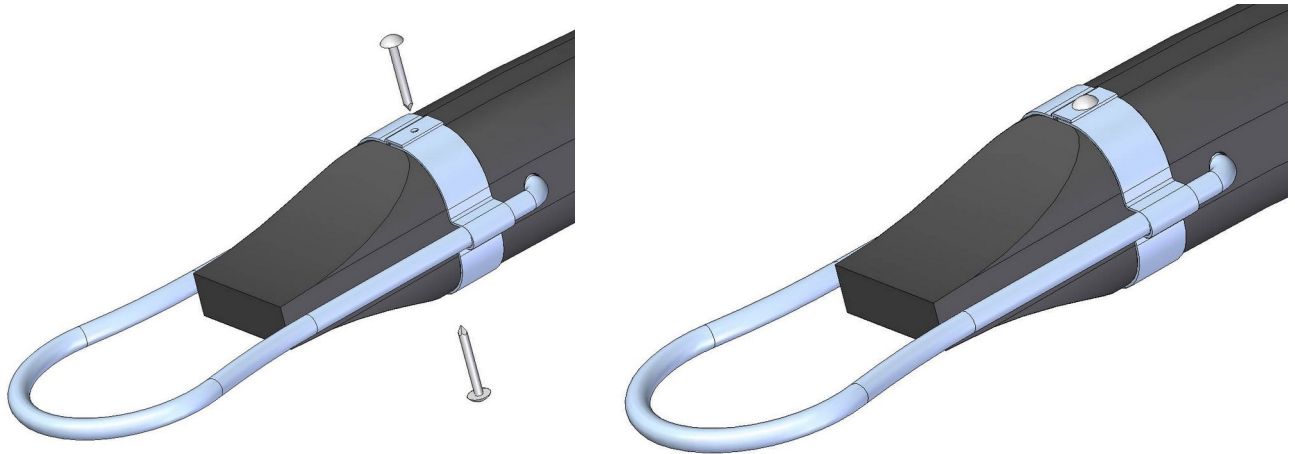


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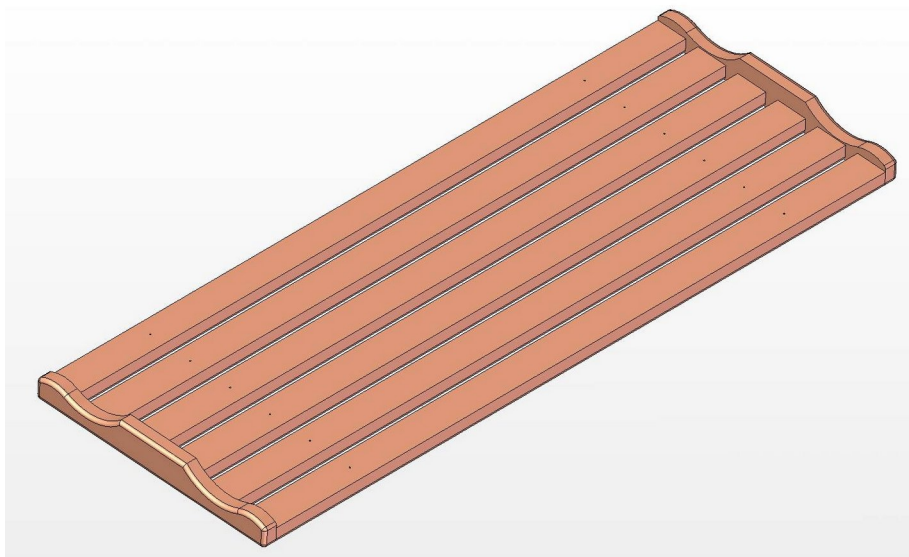
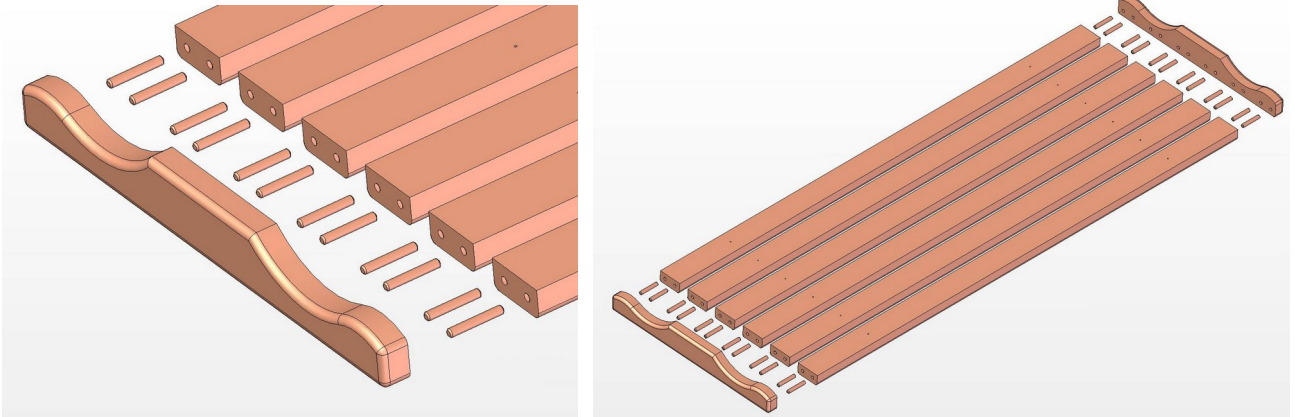


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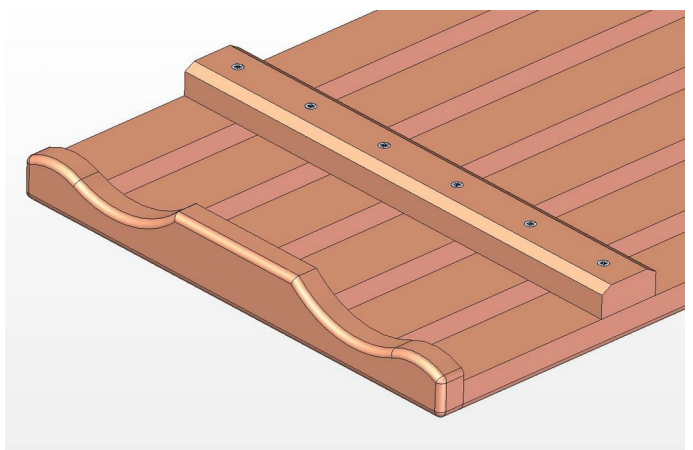
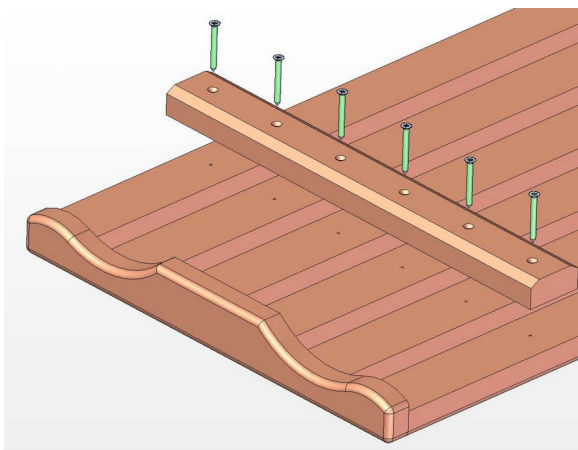


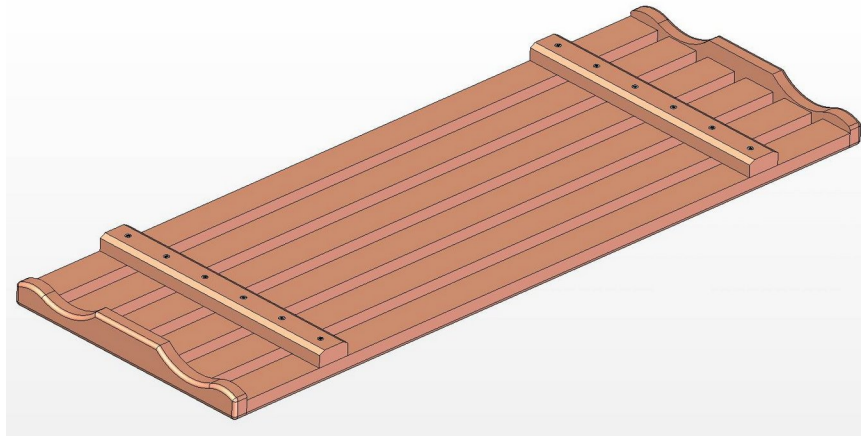
3. BOTTOM

1.



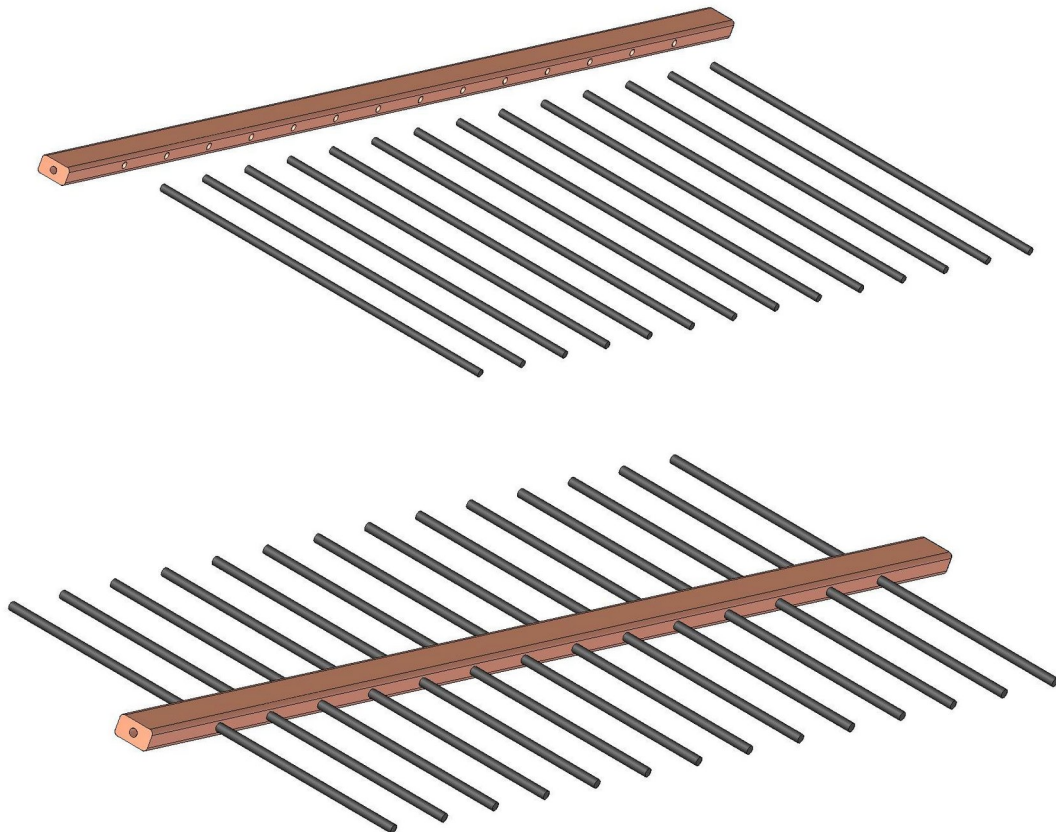
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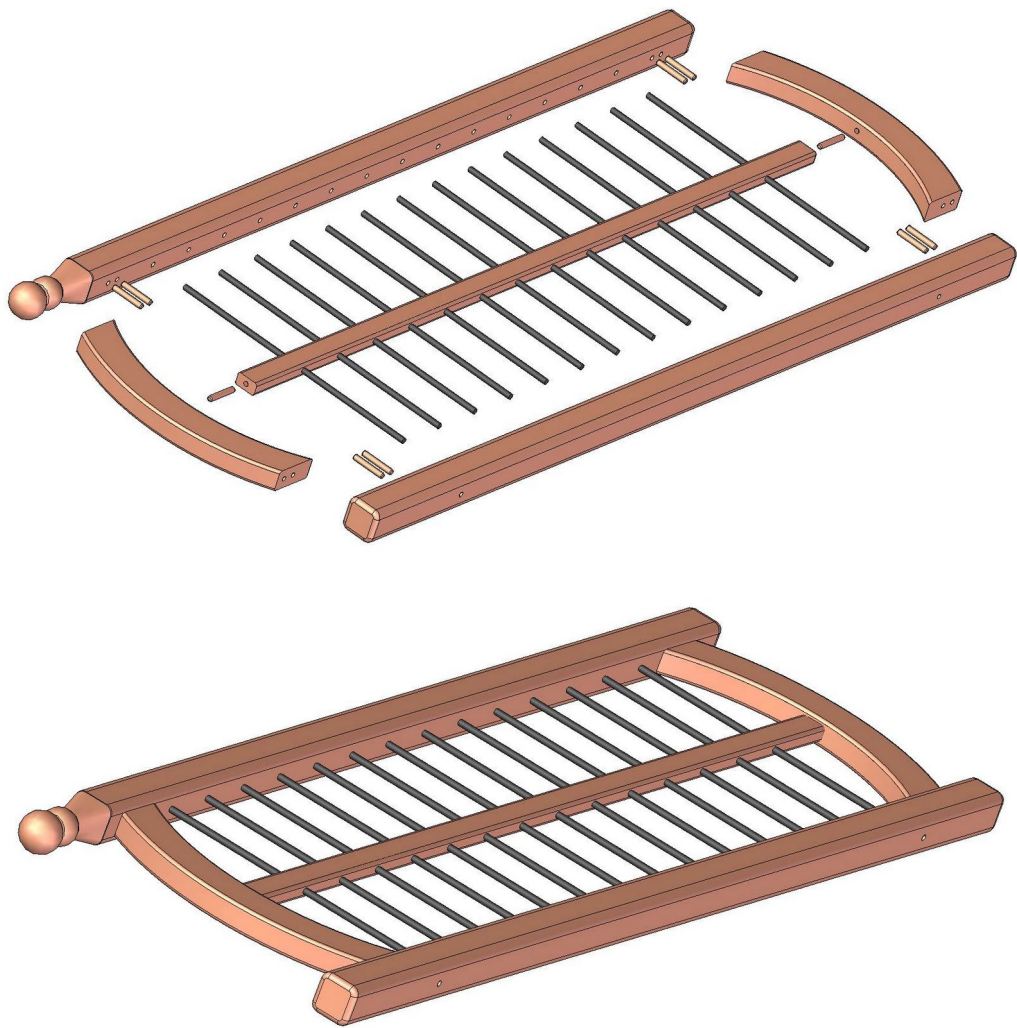


4. SIDE

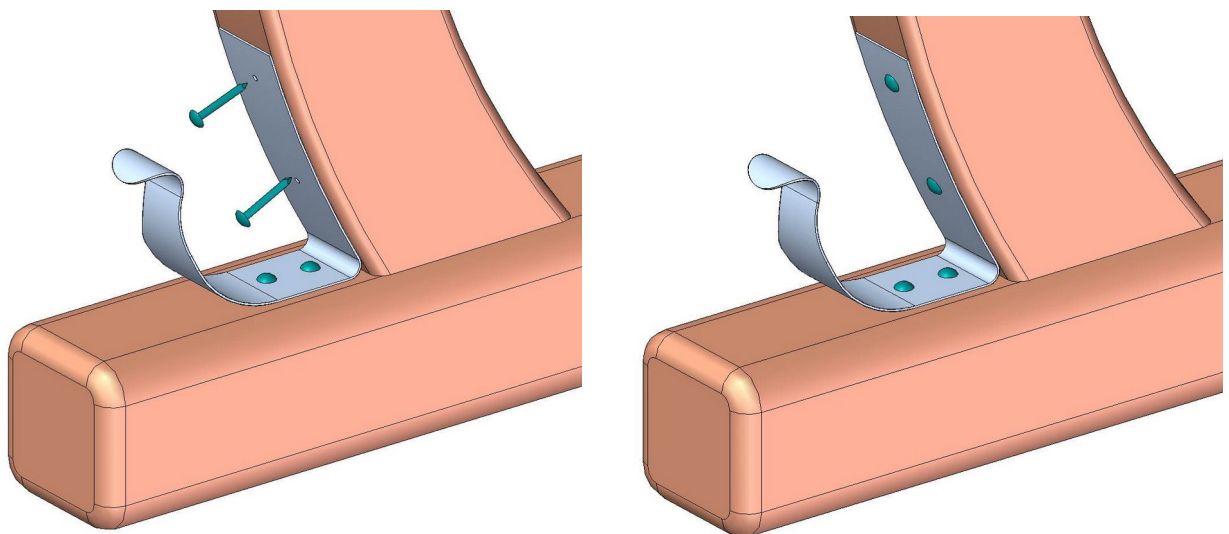
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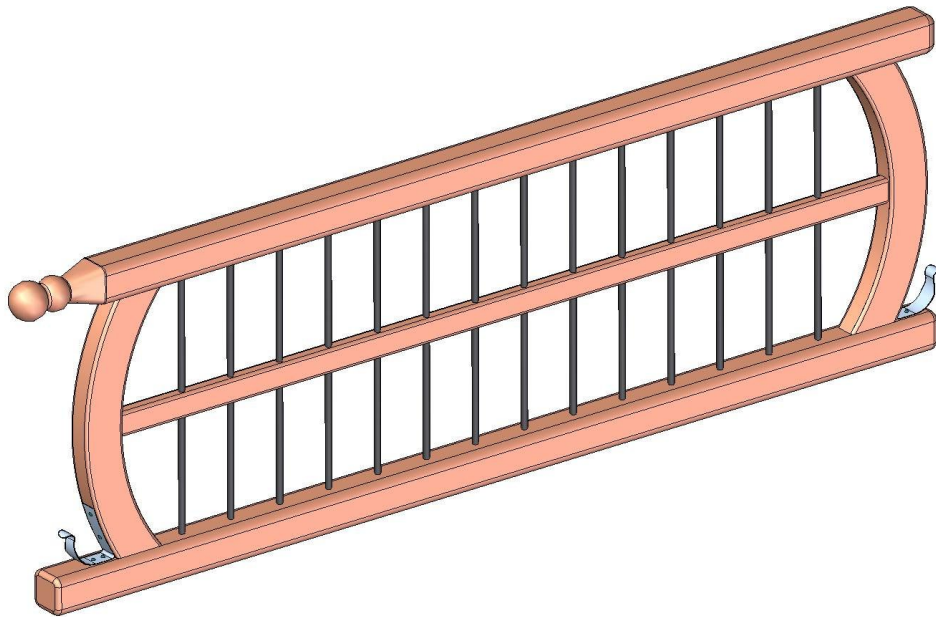


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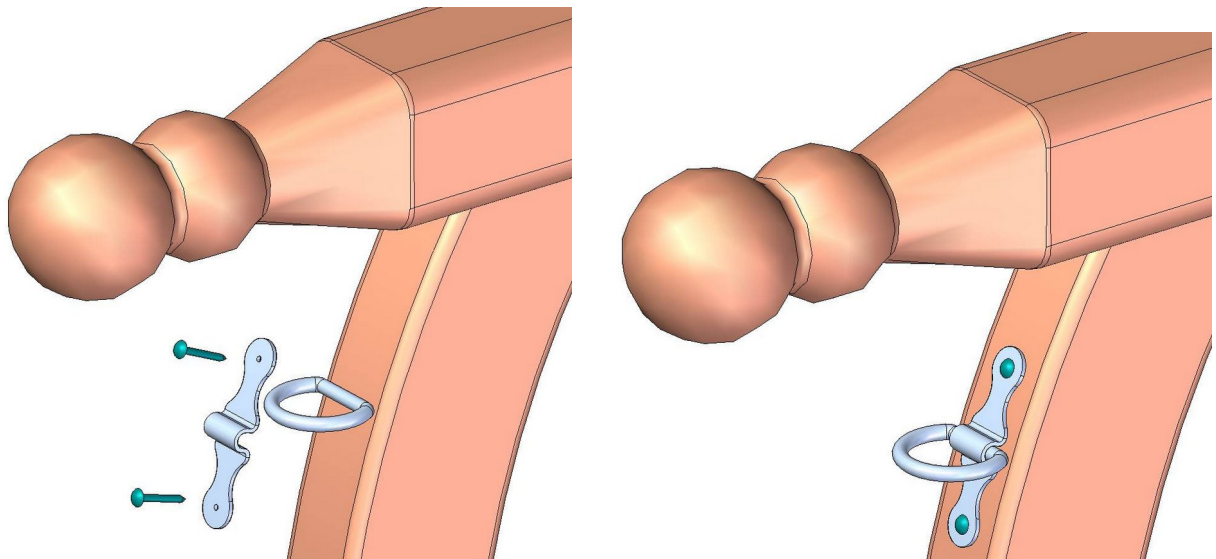


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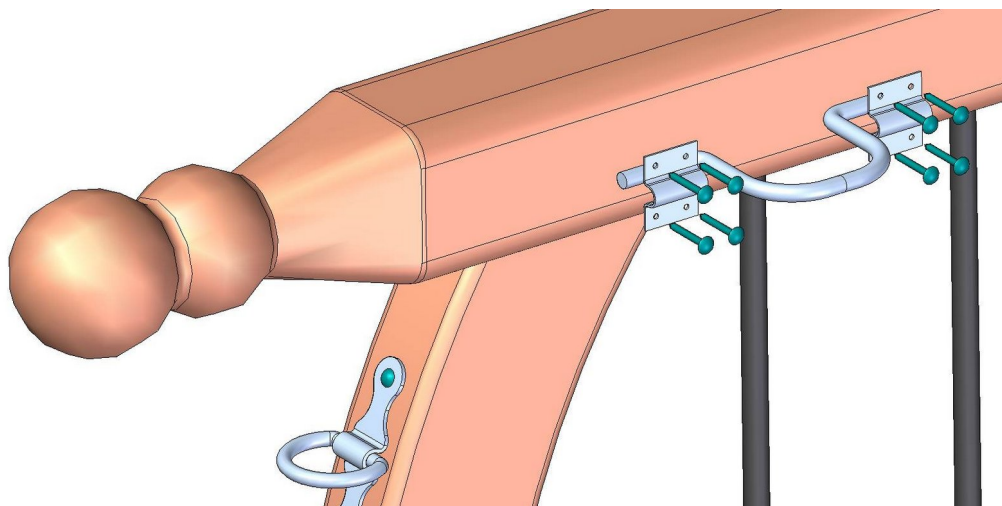


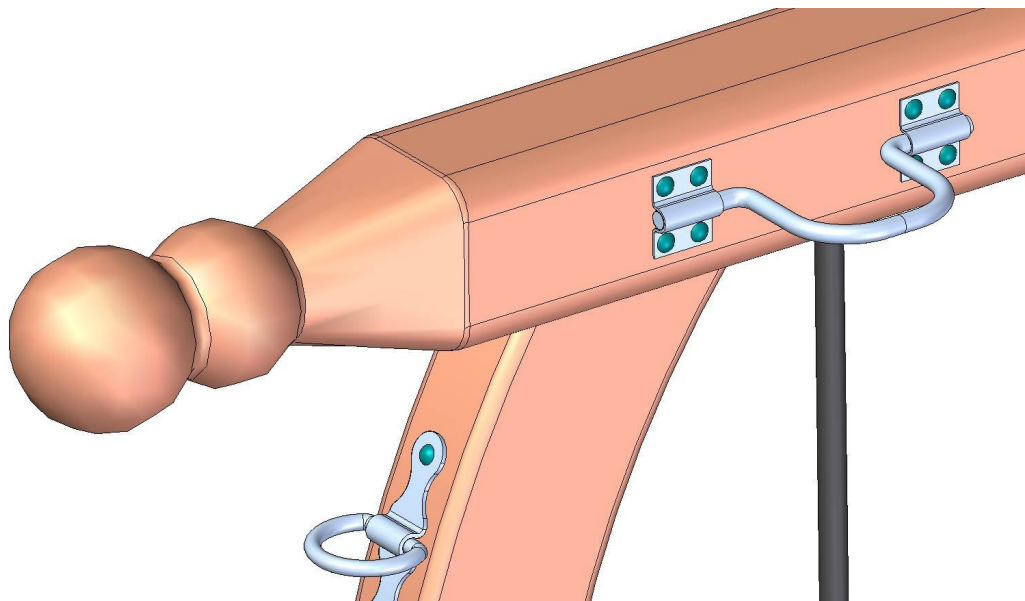


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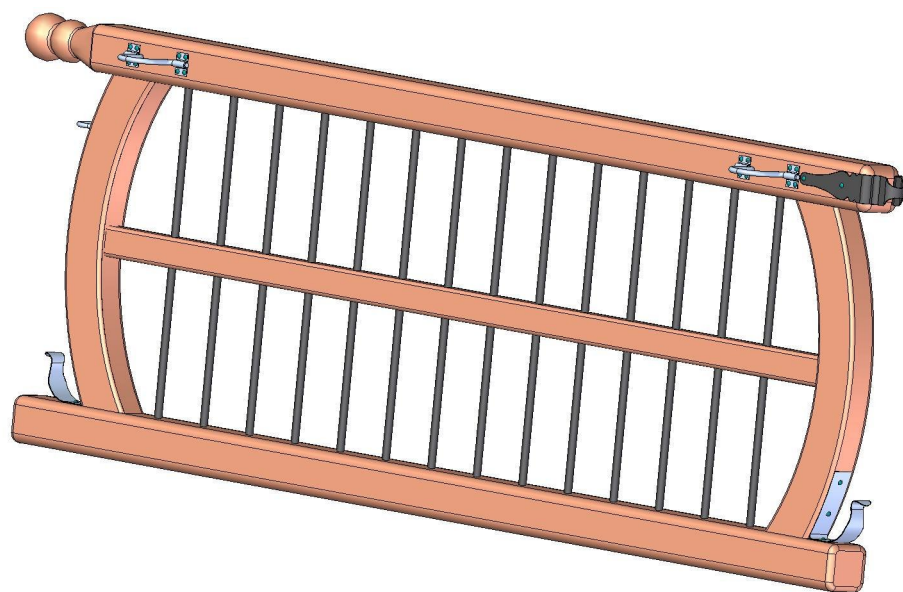
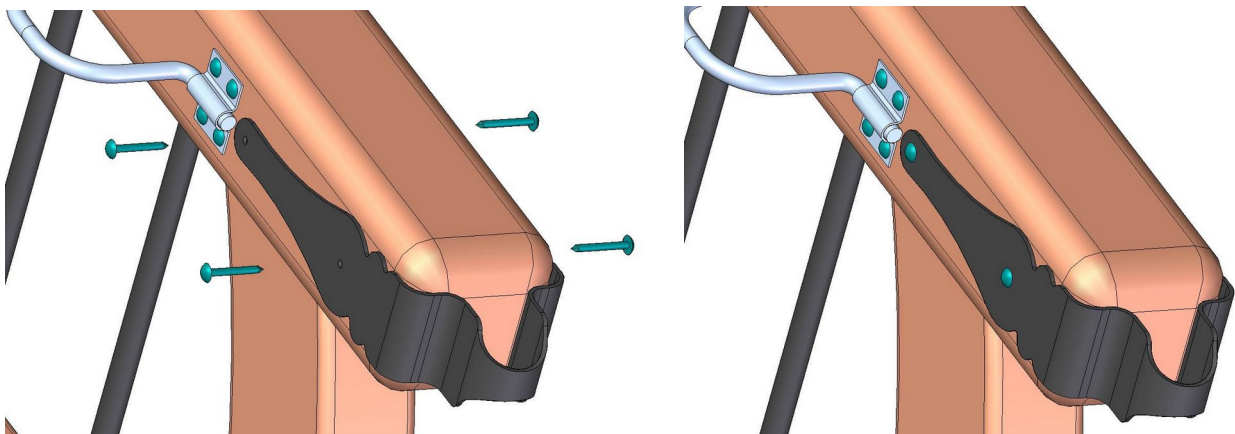


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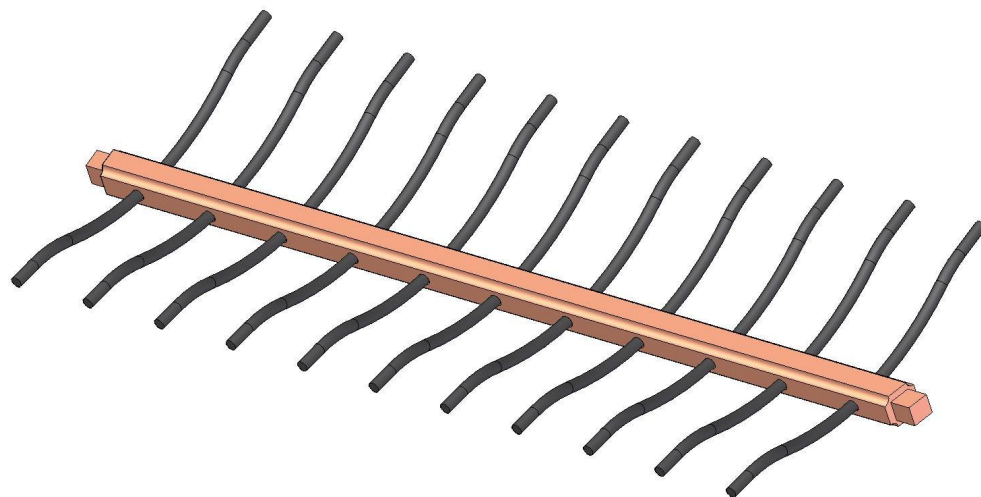
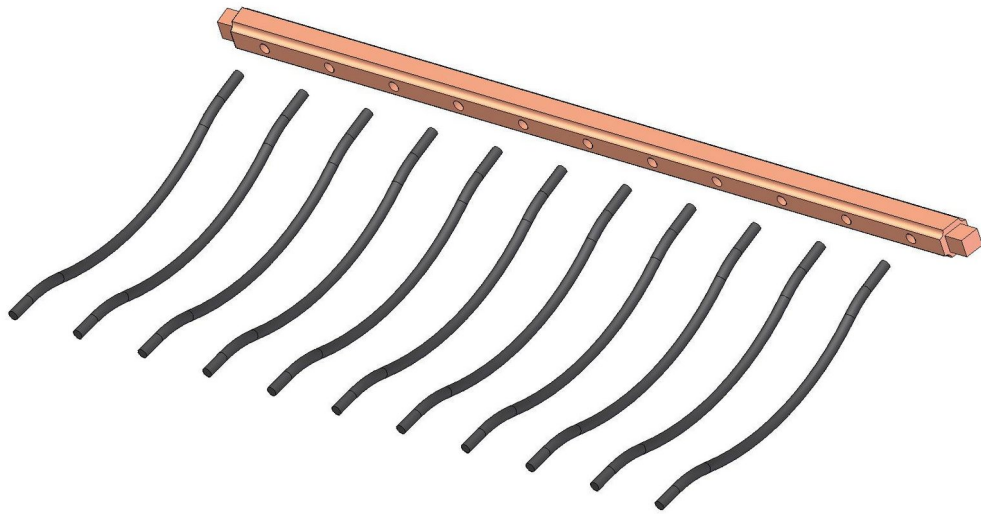


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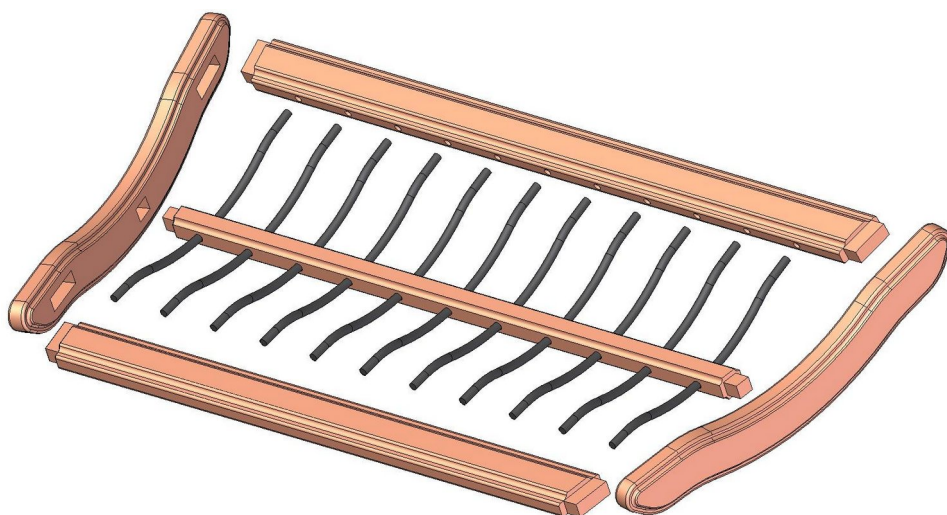


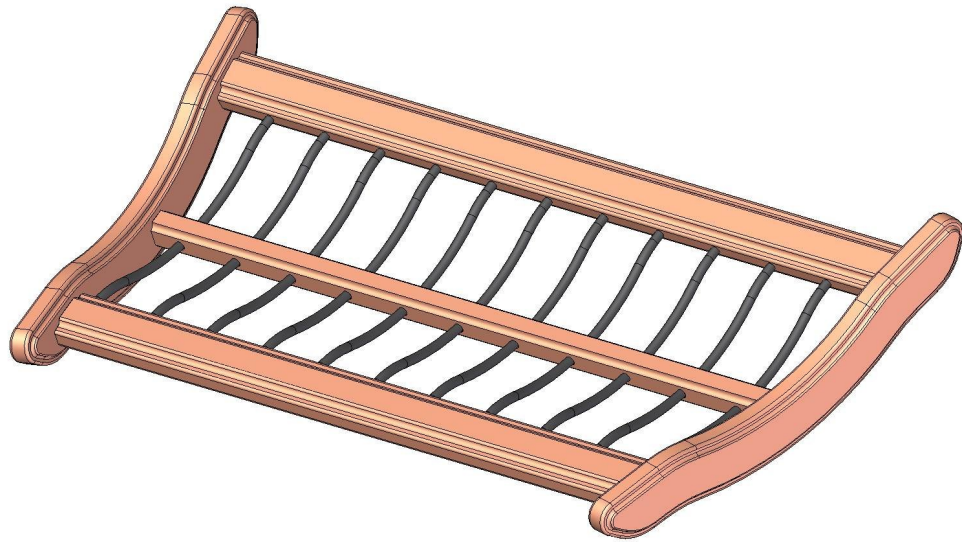
5. BACK SIDE

1.

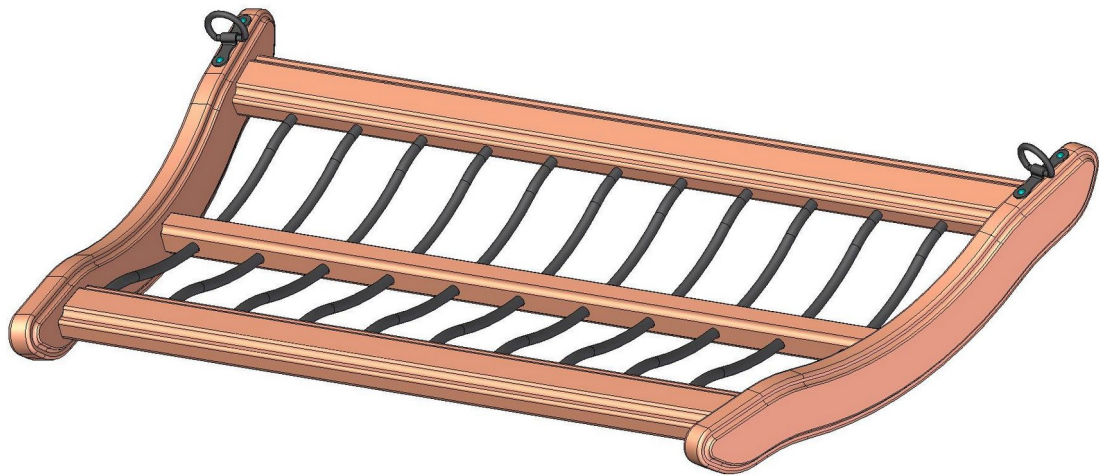
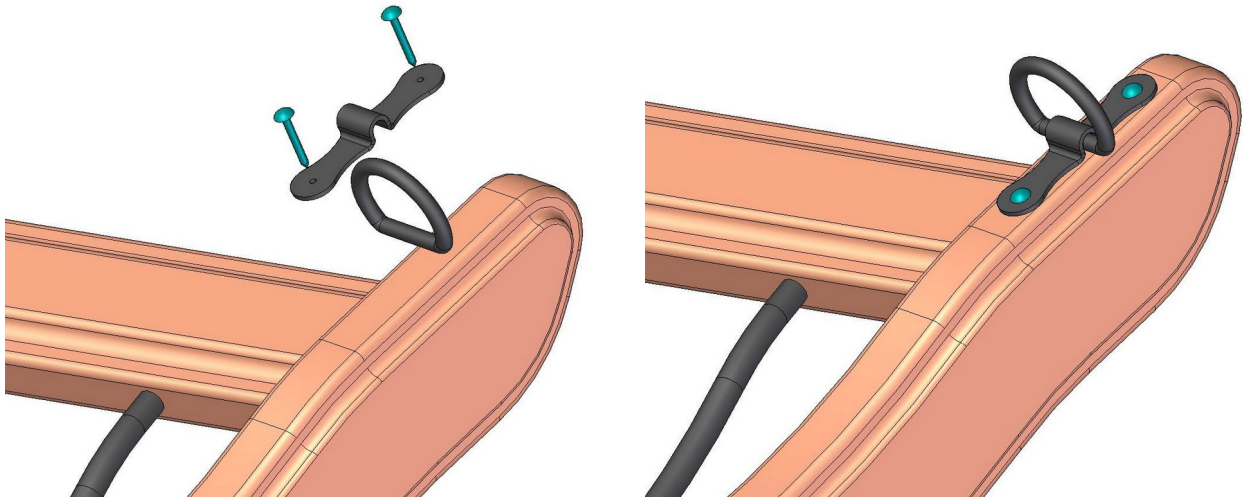


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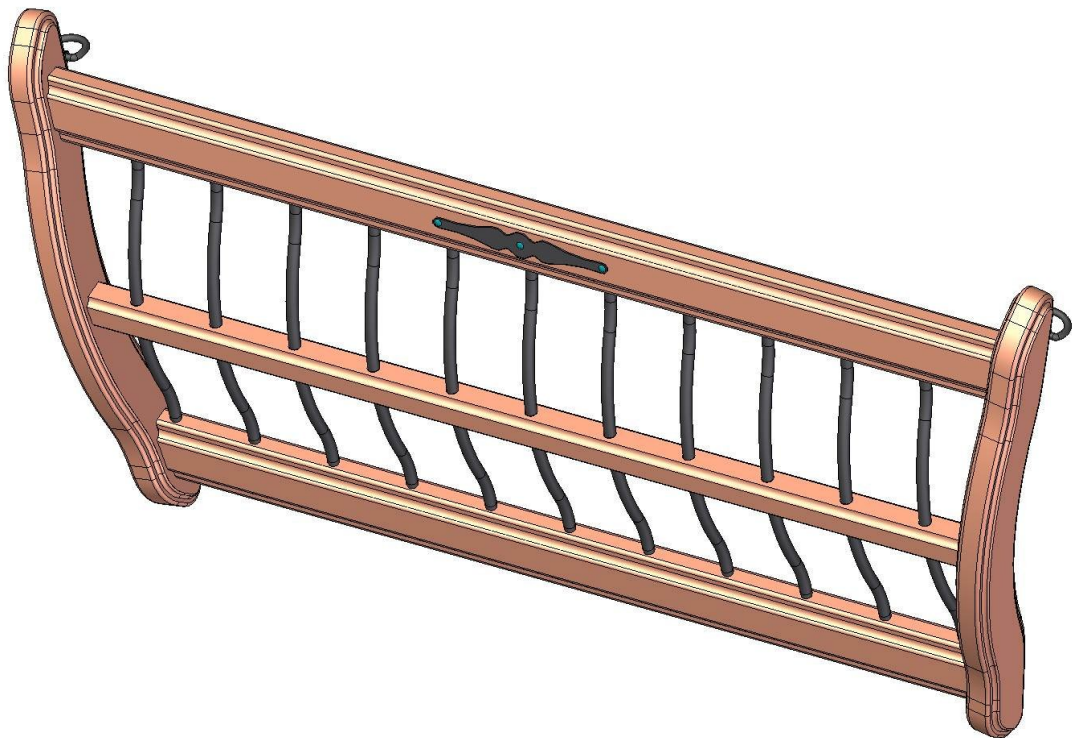
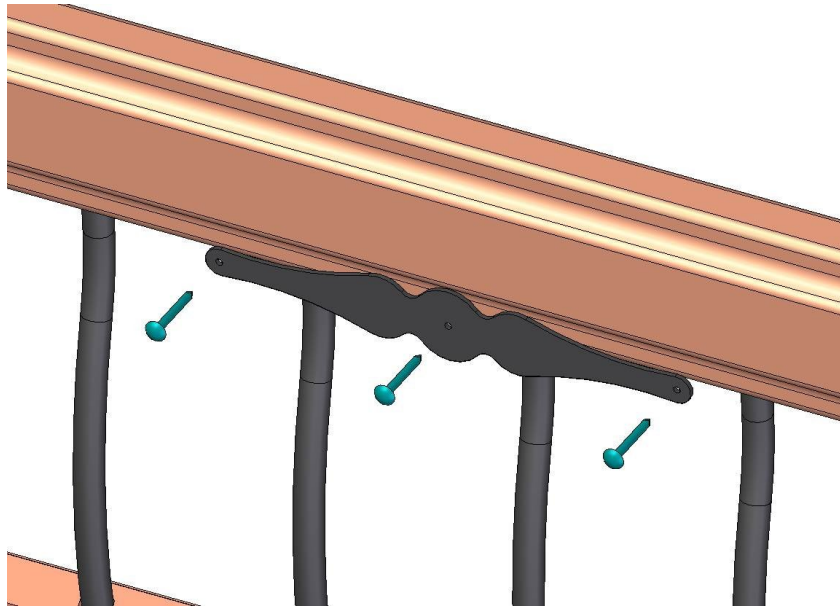




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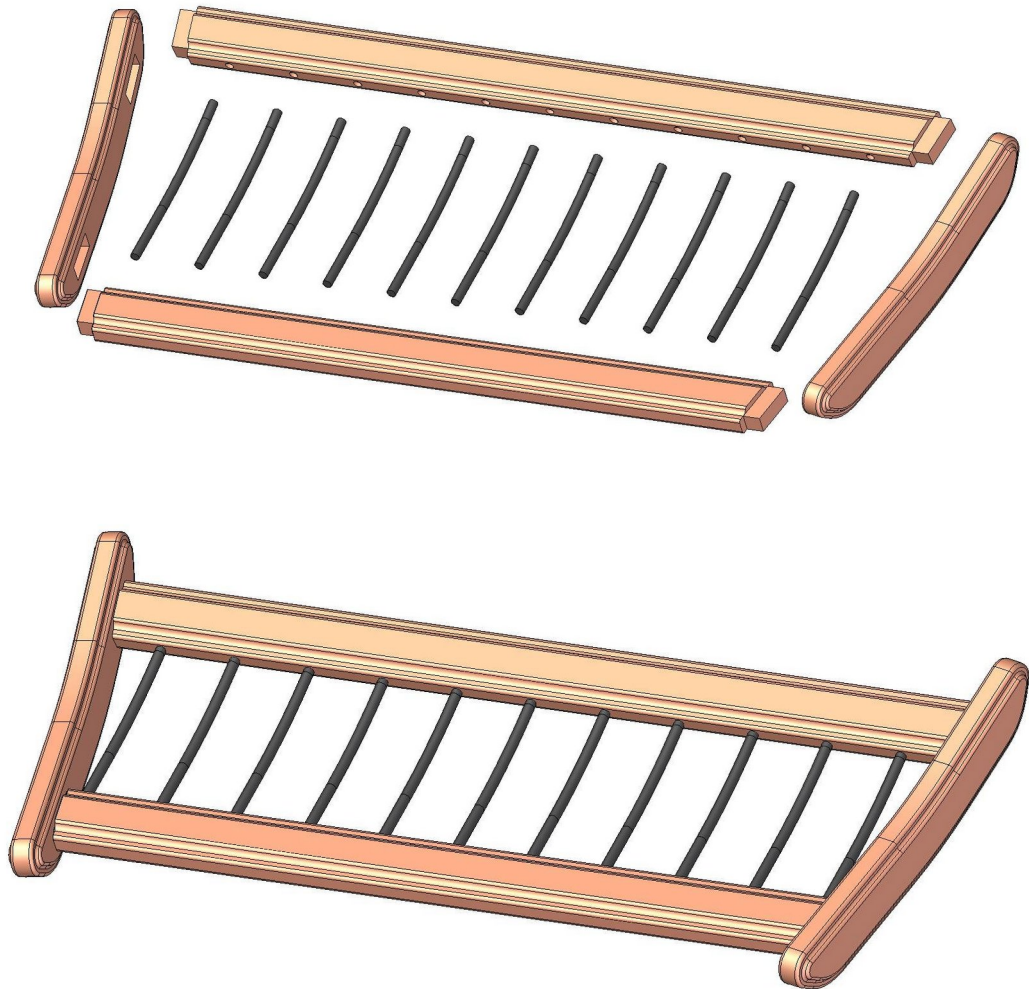


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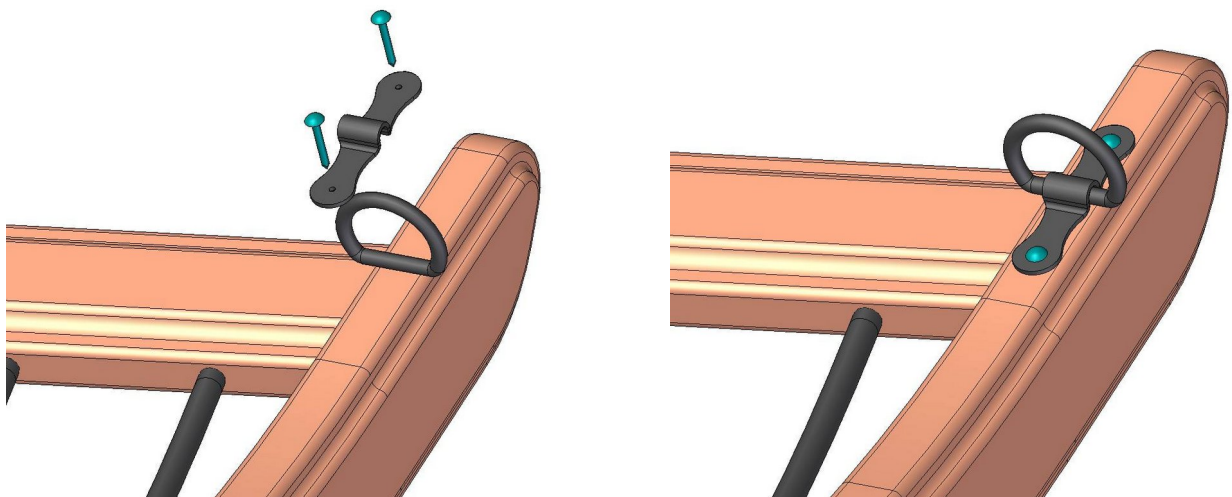


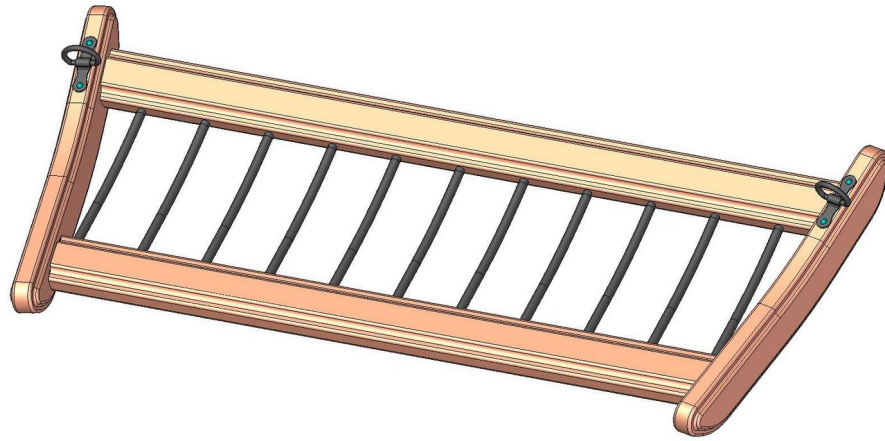
FRONT SIDE

1.

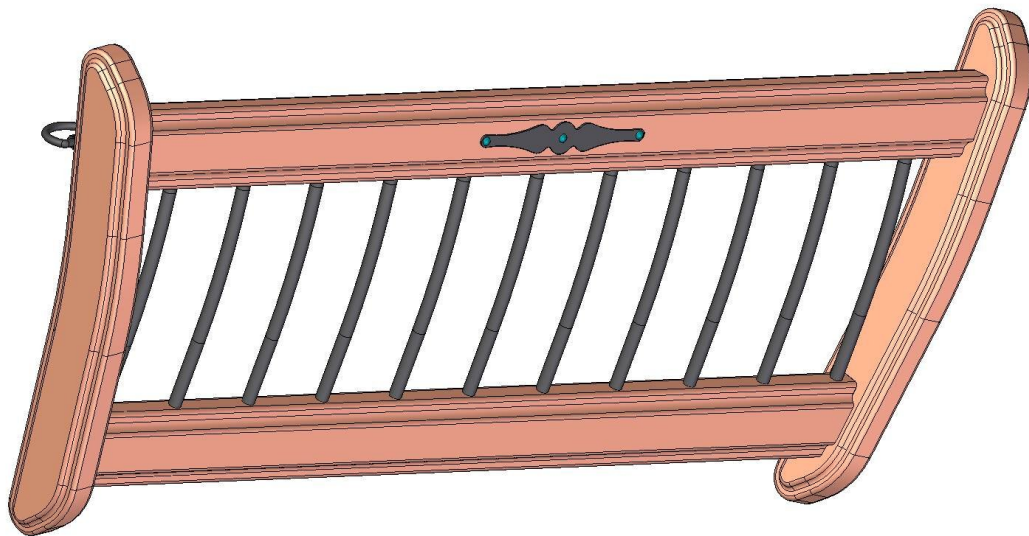
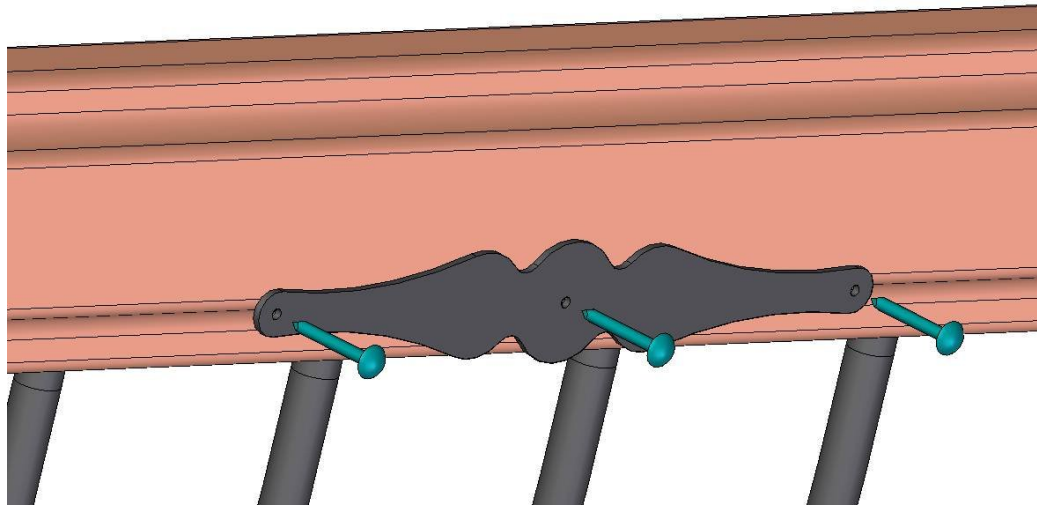


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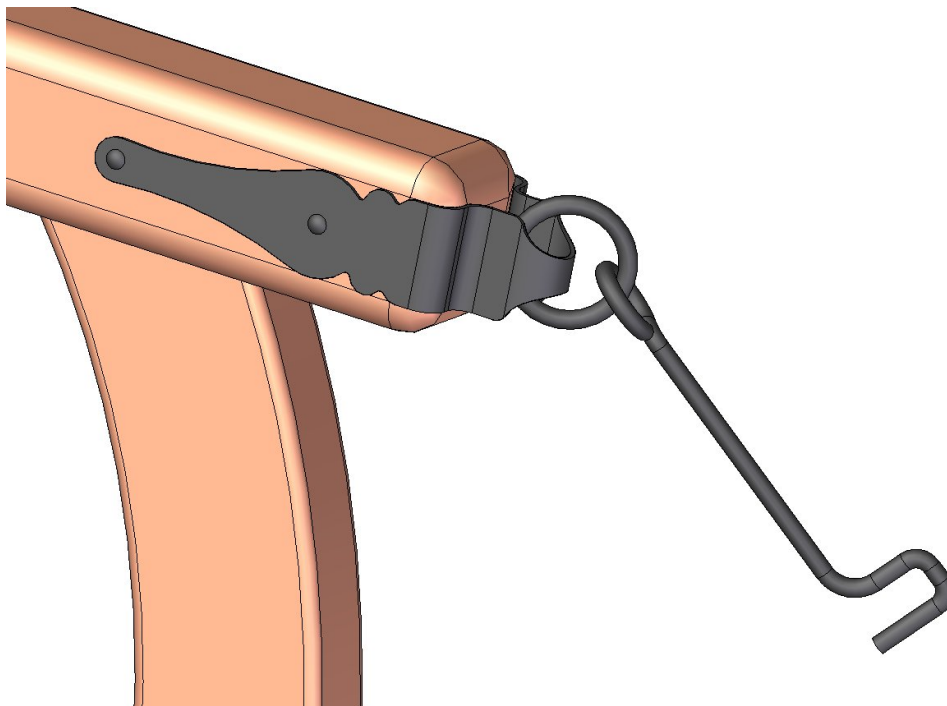
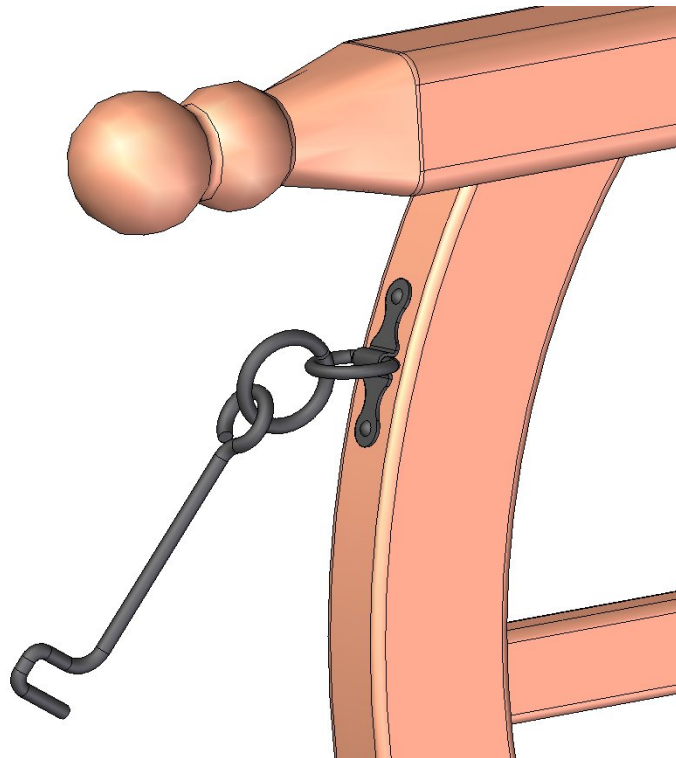




3.



7. JOINT

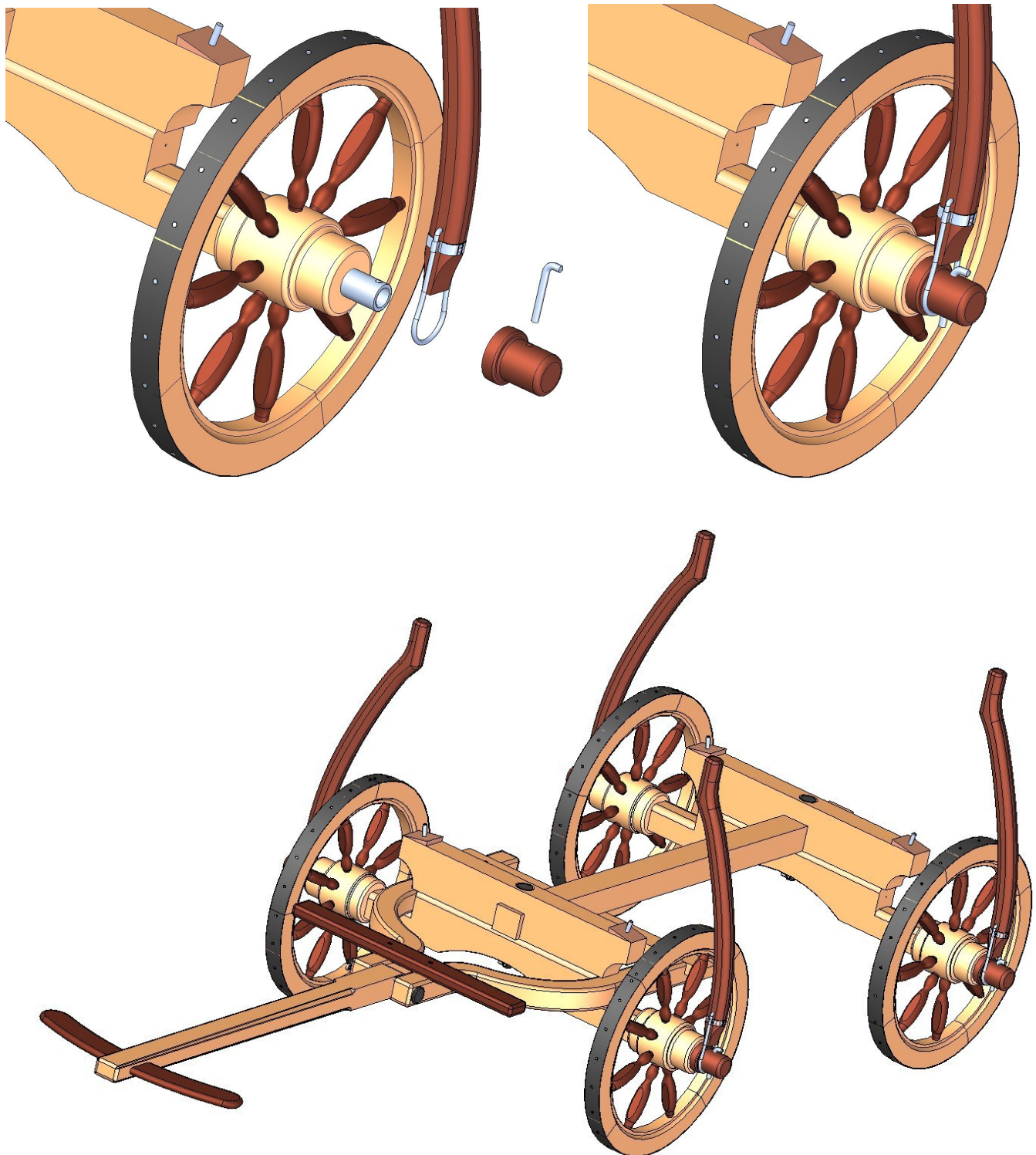


SIDE MIRROR

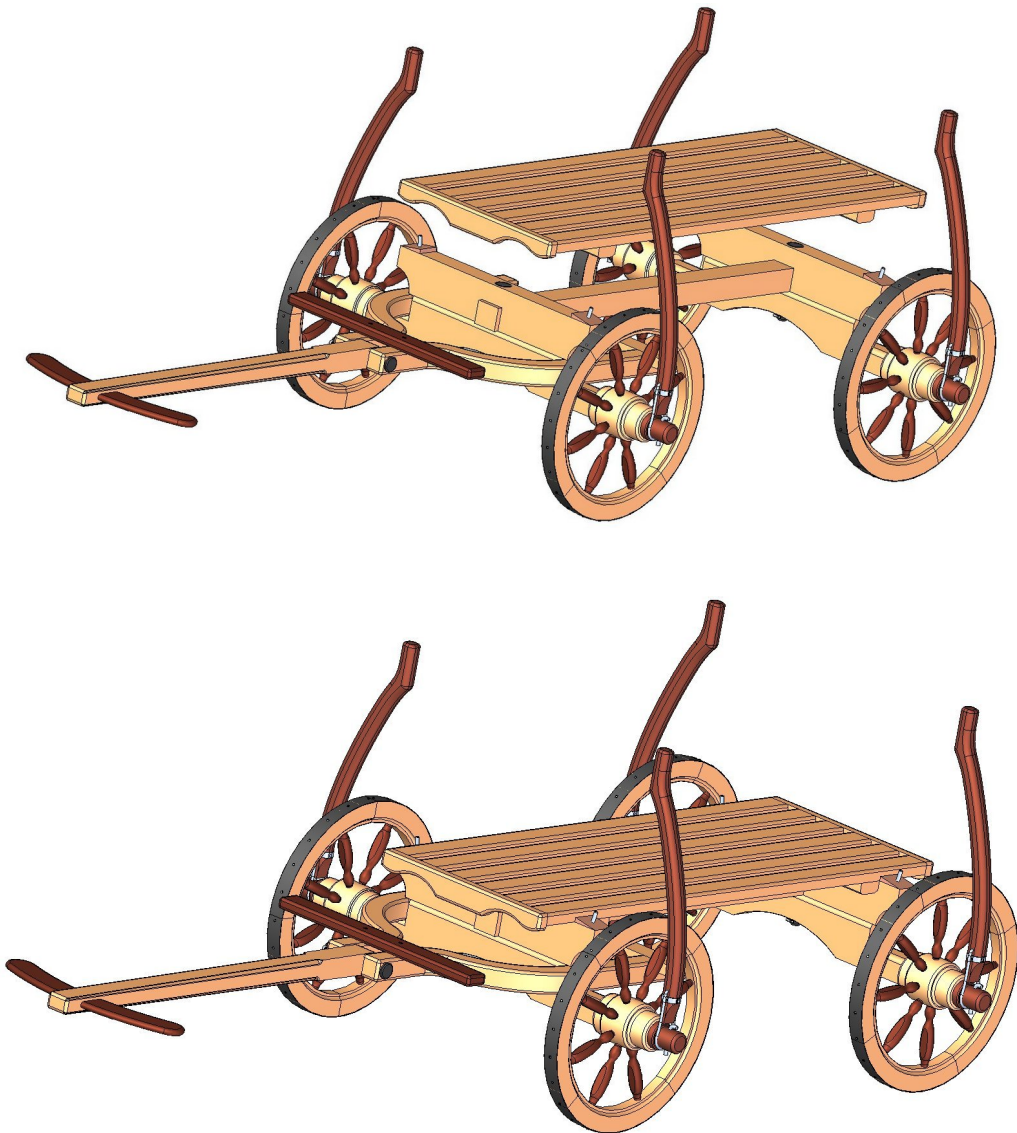
The procedure is the same as for the subassembly 4.SIDE subassembly.

FINAL MONTAGE OF SUBASSEMBLIES

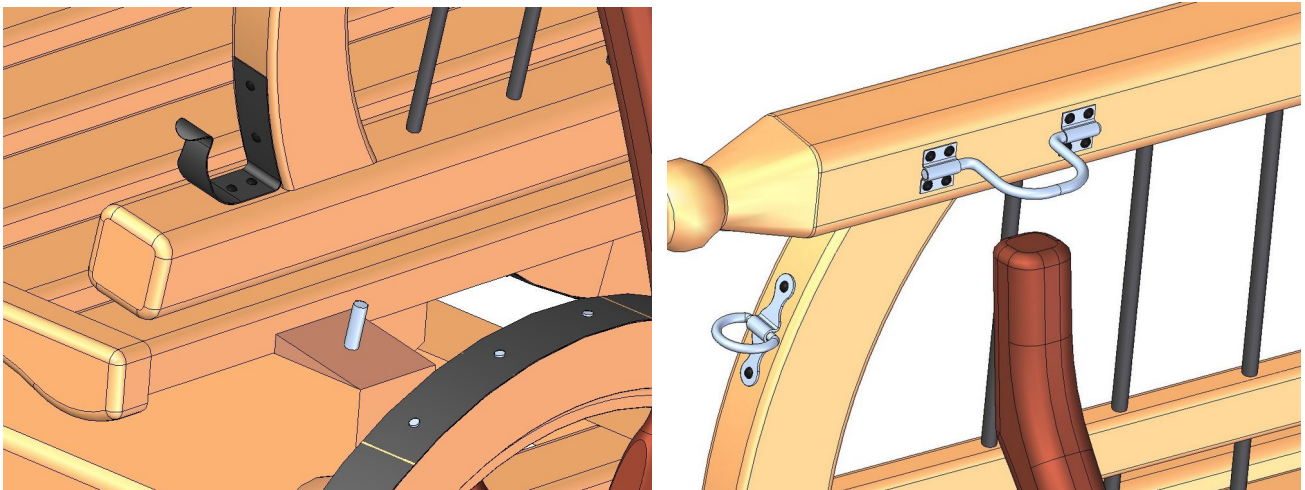
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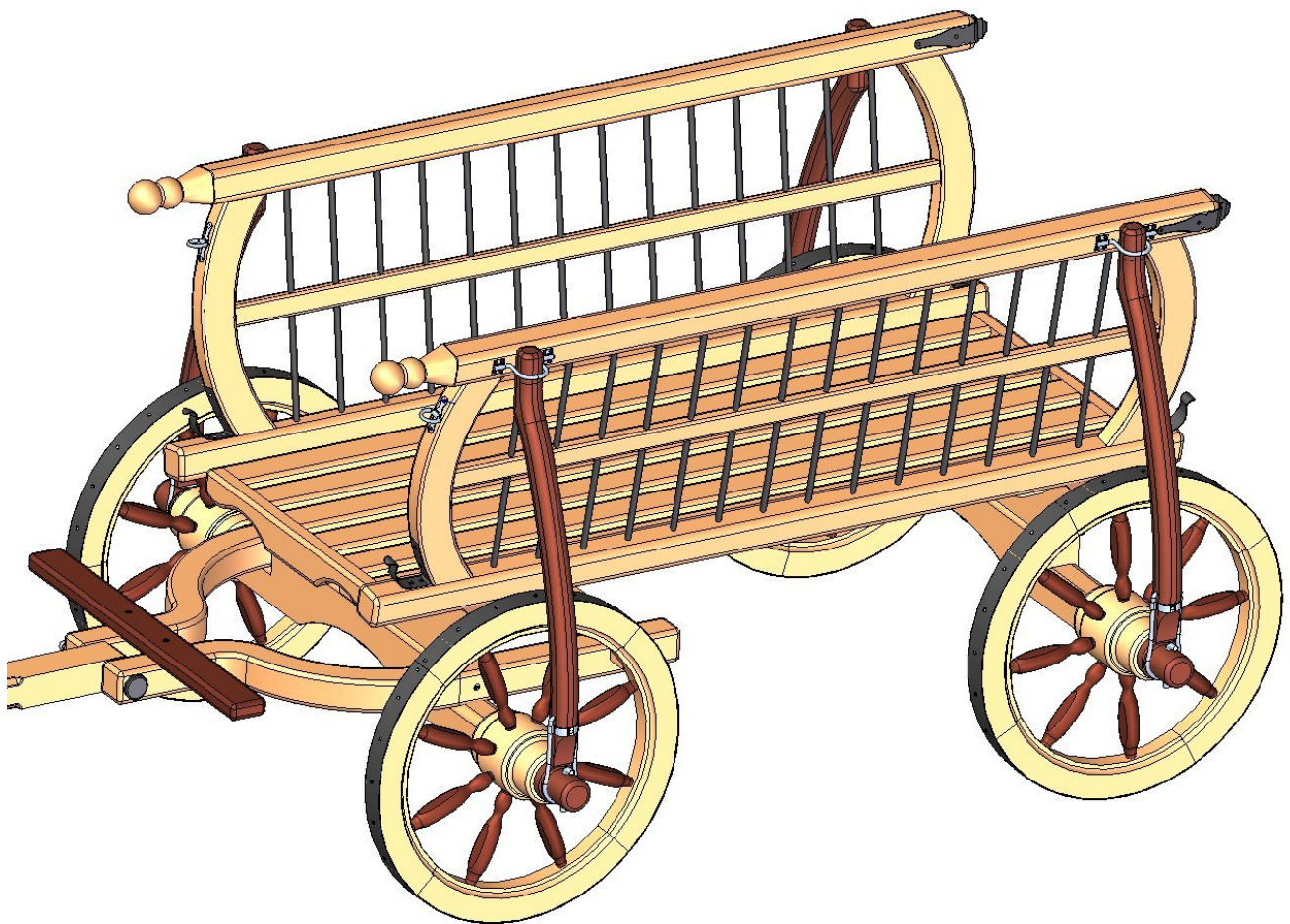
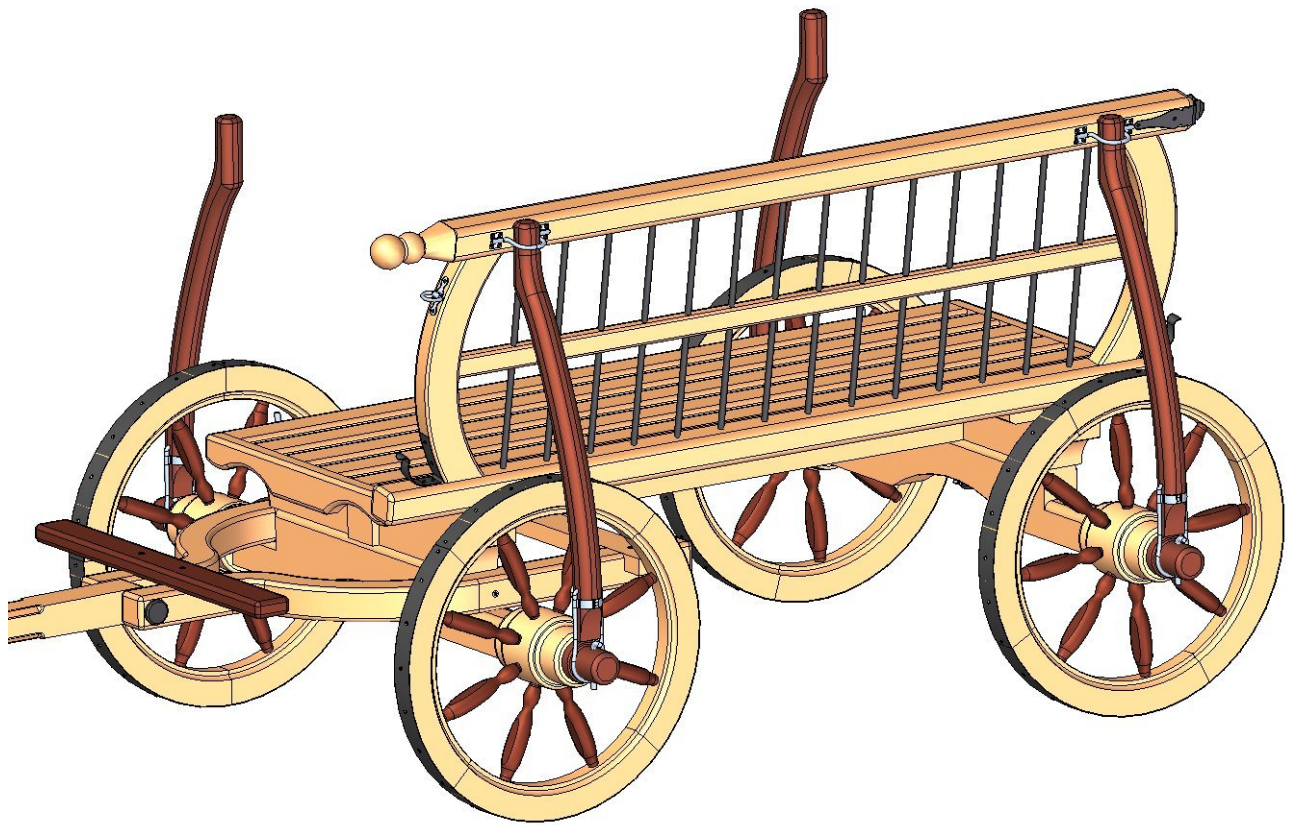


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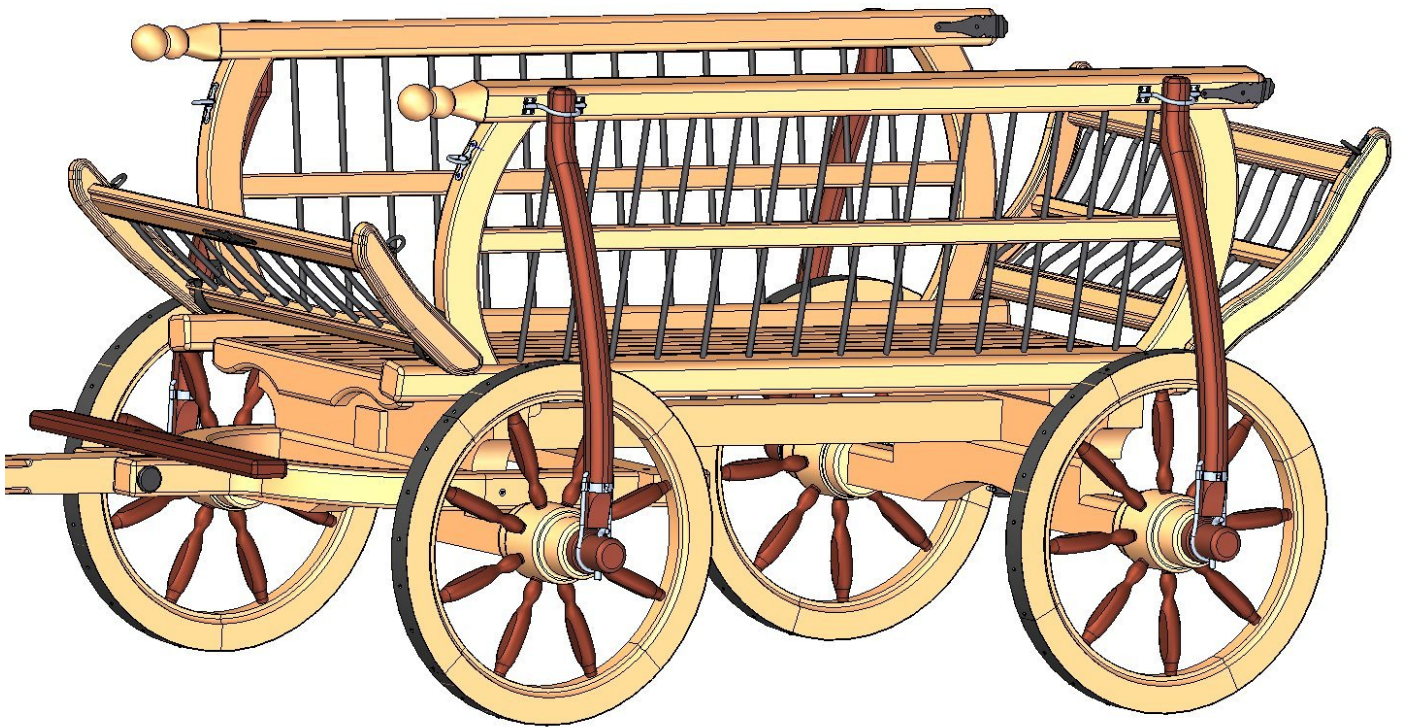


3.





4.



5.

