

Medieval Chair

On this page you are offered a plan for making a chair that looks very similar to the famous 'curule armchair' which used to be popular in Ancient Rome and during the Middle Ages. The chair according to this plan is foldable, and for its making it is best to use a kind of nicely-textured hardwood. Since the making of this version of the above medieval armchair requires patience, experience and a lot of precision, it is not a project meant for woodworking beginners.

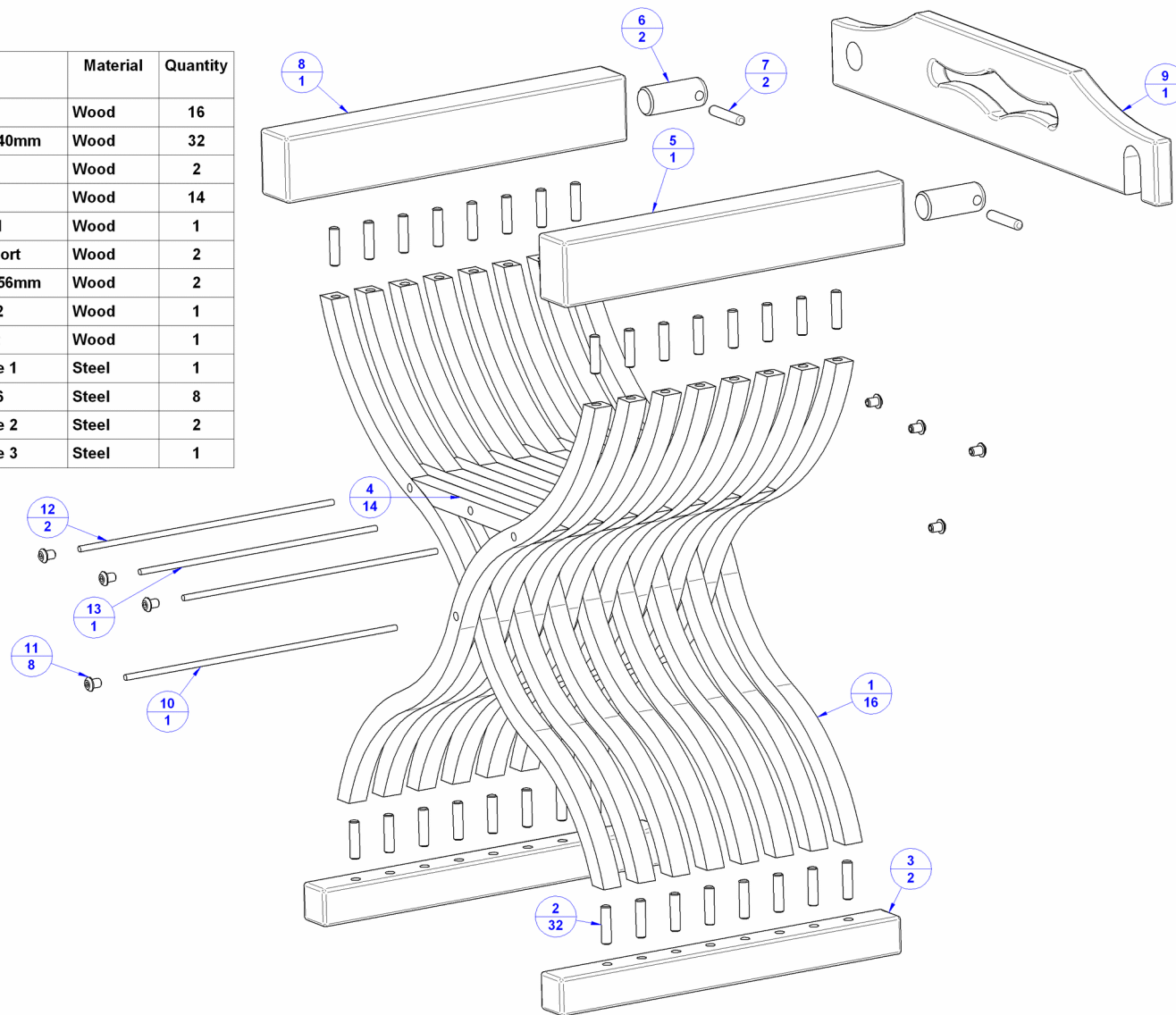


- 1) The hardest thing about this chair is to precisely craft the legs and drill holes in them. We recommend that you first draw a template that will serve you to copy the leg shape onto the board. Cut the leg with a jig saw and use sandpaper to smooth out the shape and get an even surface just like in the template. Let the template instruct you to drill all the holes in the leg, too.
- 2) After you have completed the first leg, use it carefully to make all the others.
- 3) Make a template (see picture) and use it to cut off the ends/tips of the legs under 45 degrees and drill holes.
4. Make all the other necessary parts. Carefully mark and drill holes on the bottom rail parts/sections.
5. After all of the pieces have been carefully made, dry-fit all parts, put the complete project together without glue to check for accuracy and good-fitting joints. If anything needs refitting, now is the time to correct it.
6. If everything fits as it should, disassemble, then glue and clamp the components together.
7. The finish is left up to you to choose.

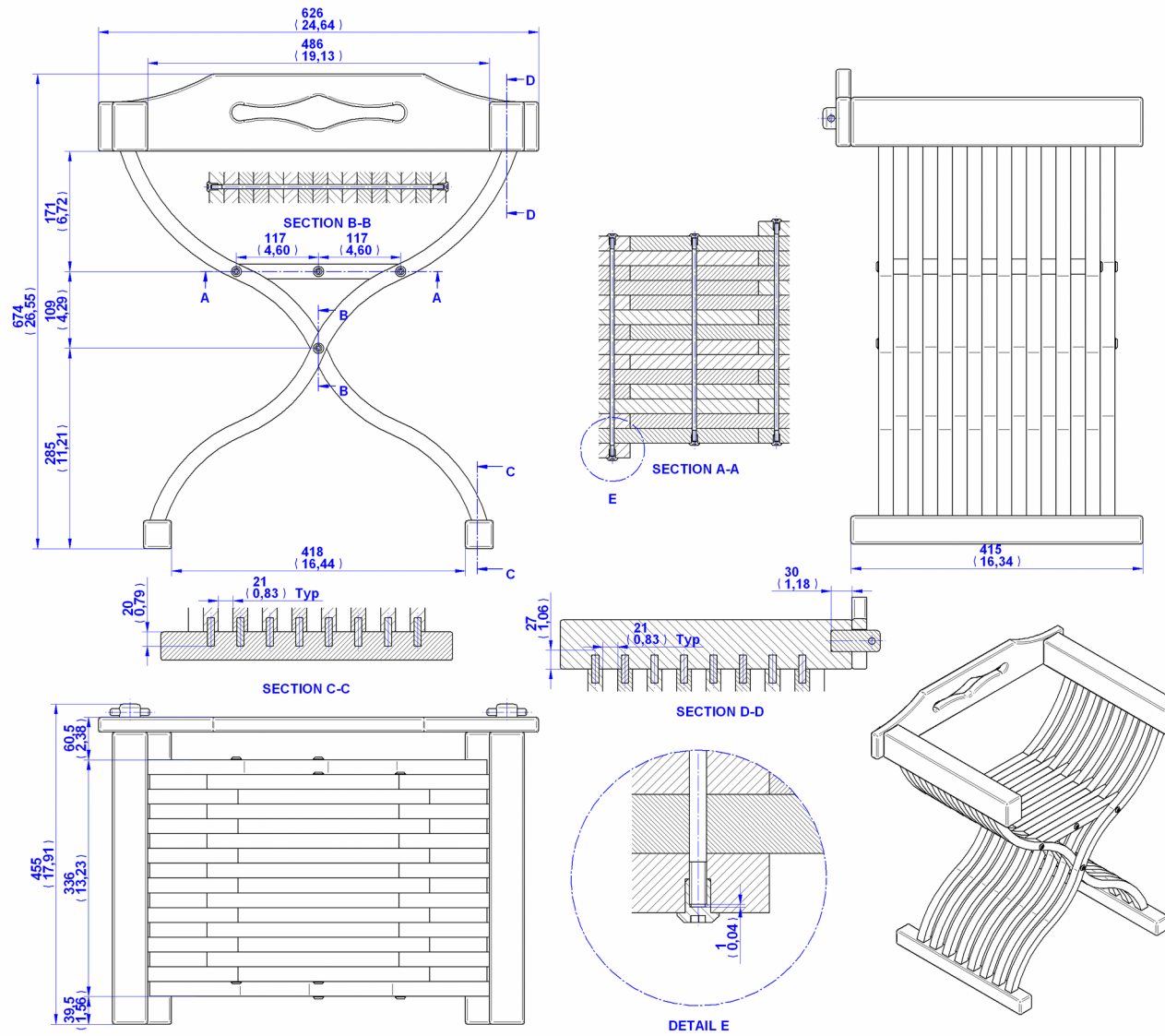
The making of this type of medieval chair requires a lot of your time and effort, but there is no doubt that its design is extremely beautiful and a true match to any interior dominated with wood. So, the time invested into it will surely pay off! Do not feel discouraged, especially when dealing with the side parts of the seat (the section beneath the arms) as they are closed and curved inward, which can be uncomfortable when heavier and larger persons are seated. In case your chair is meant for a bigger person, you have to adapt it to their size.

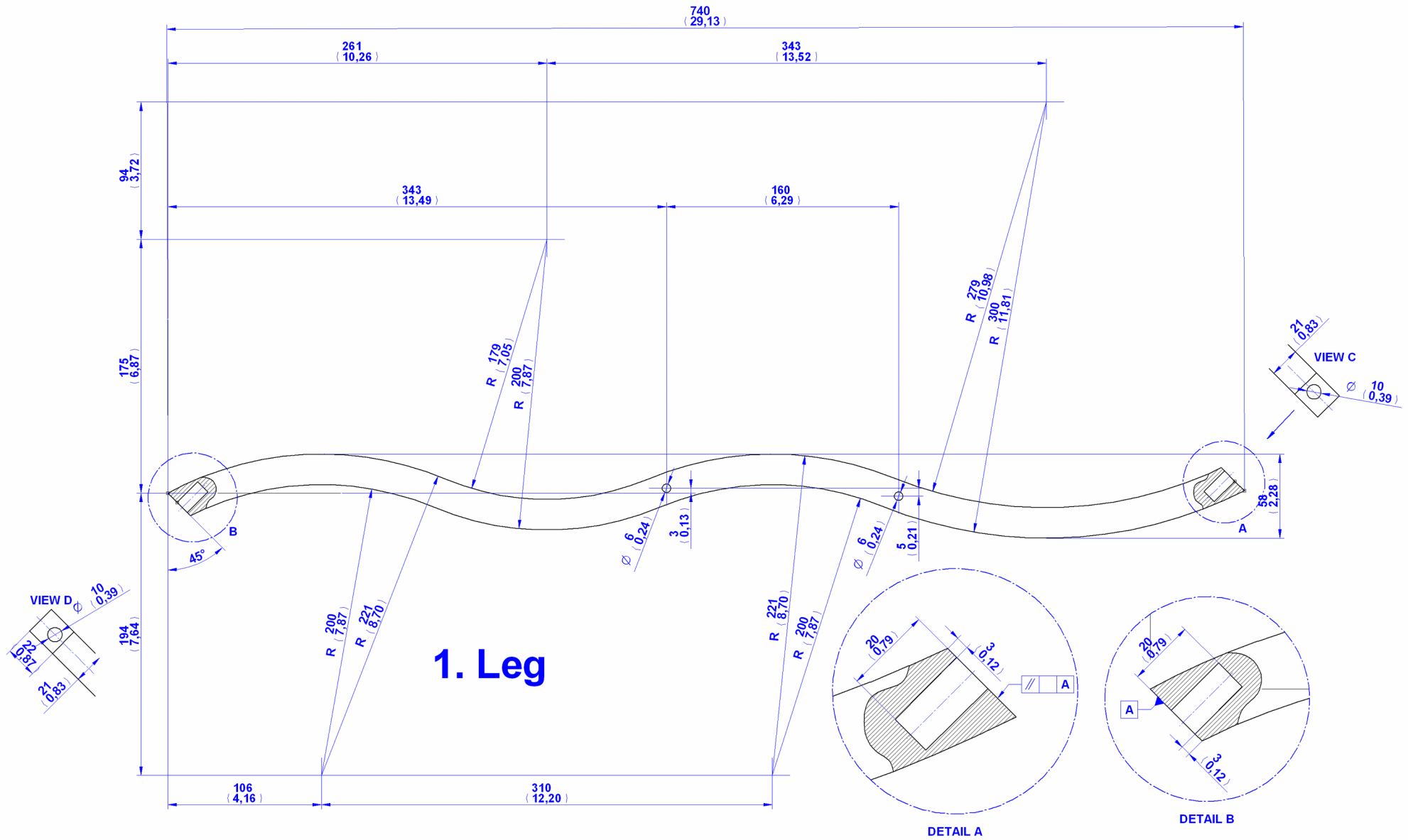
Medieval chair parts list

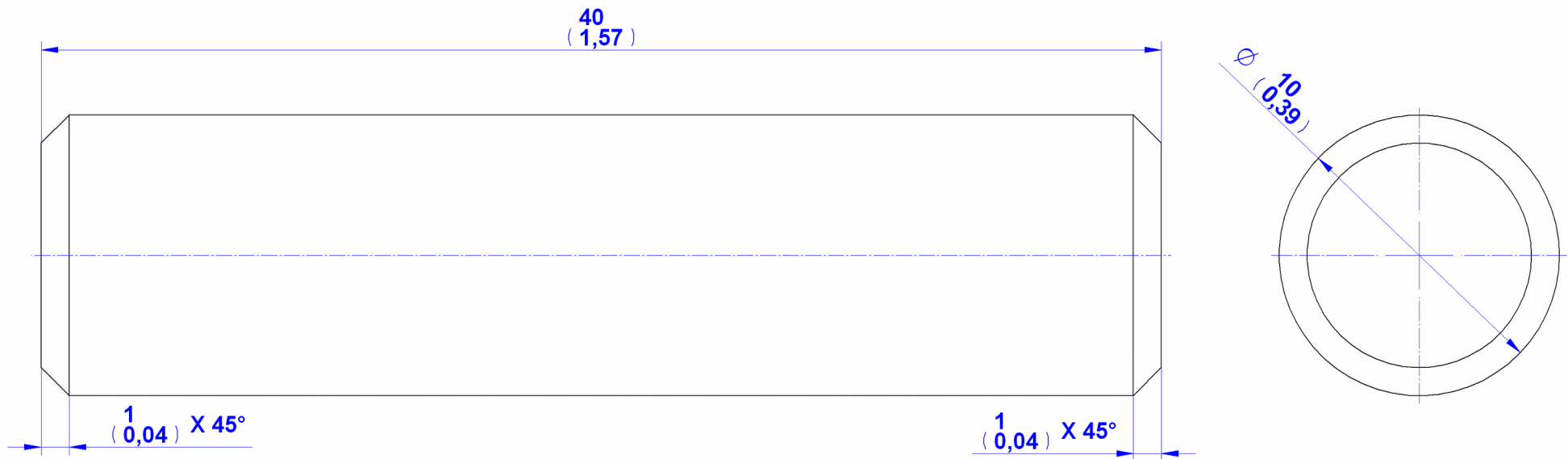
Item Number	Title	Material	Quantity
1	Leg	Wood	16
2	Dowel D10 x 40mm	Wood	32
3	Bottom rail	Wood	2
4	Seat slat	Wood	14
5	Leg support 1	Wood	1
6	Cylinder support	Wood	2
7	Dowel D10 x 56mm	Wood	2
8	Leg support 2	Wood	1
9	Back support	Wood	1
10	Threaded axle 1	Steel	1
11	Sleeve nut M6	Steel	8
12	Threaded axle 2	Steel	2
13	Threaded axle 3	Steel	1



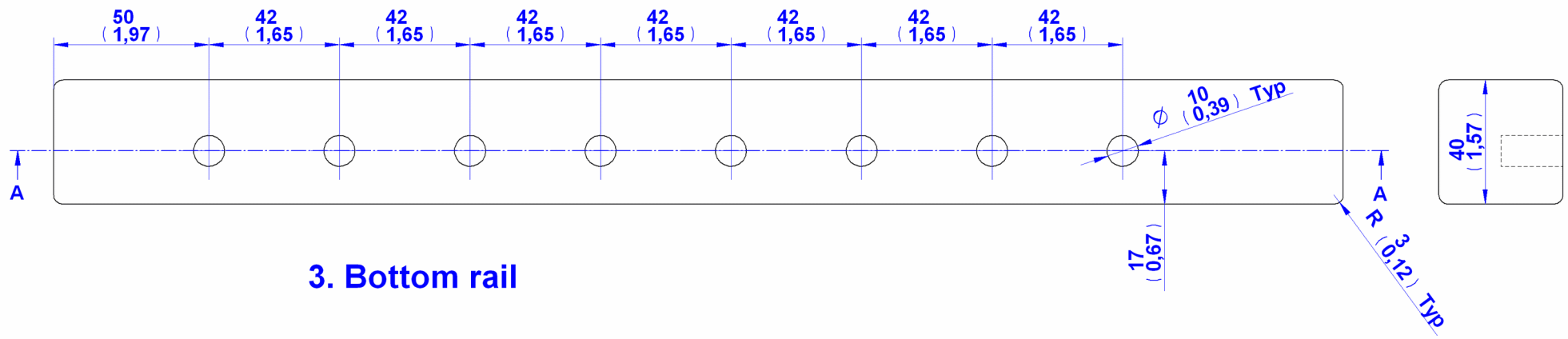
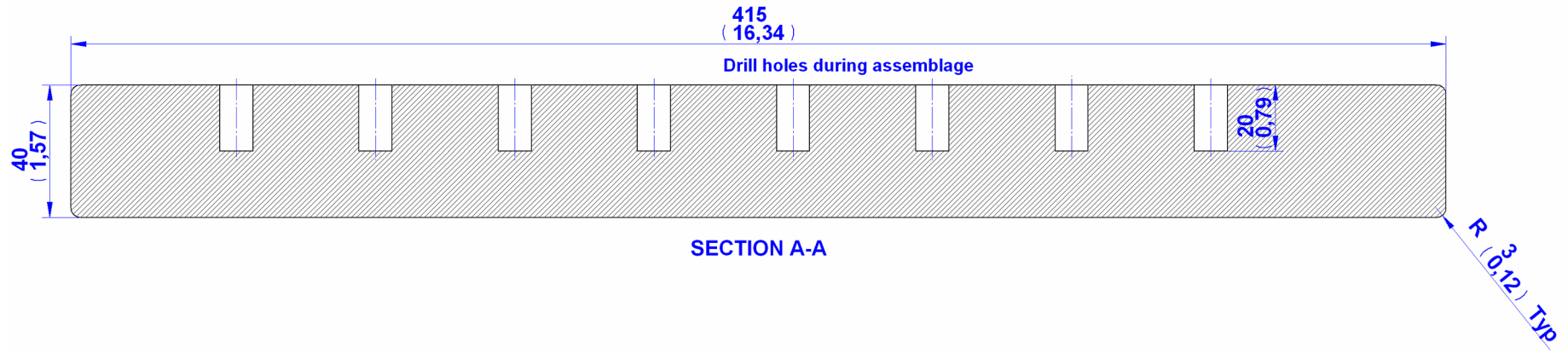
Medieval chair assembly drawing

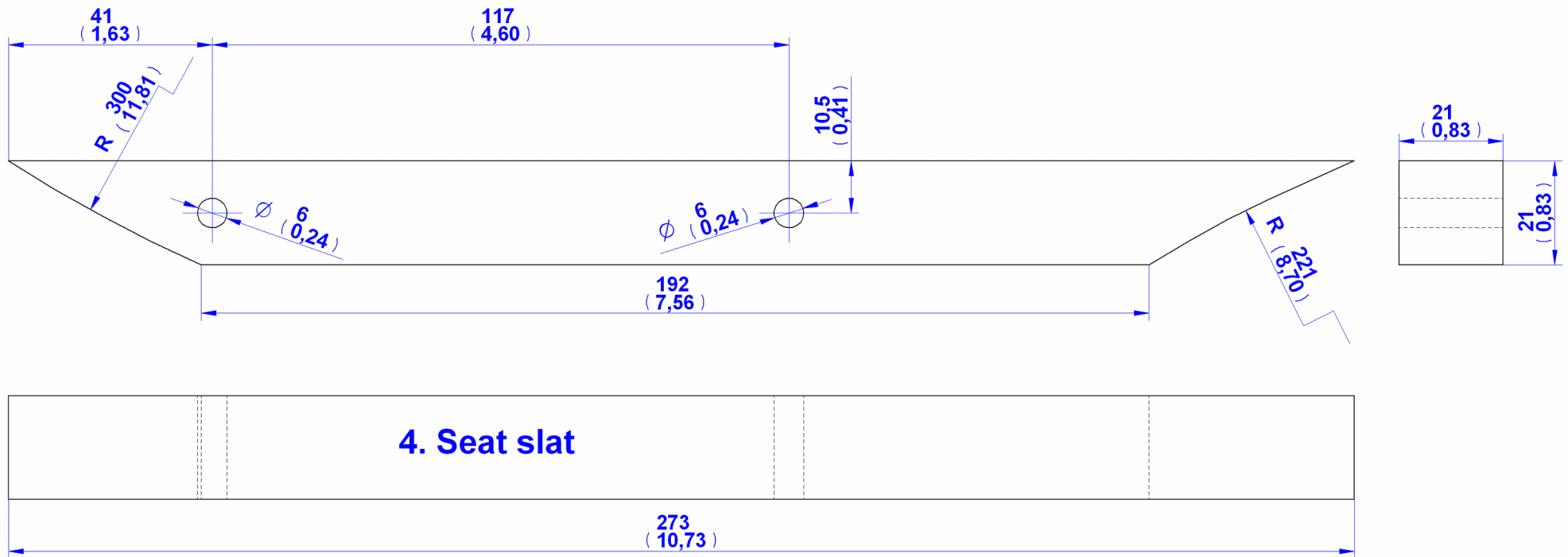




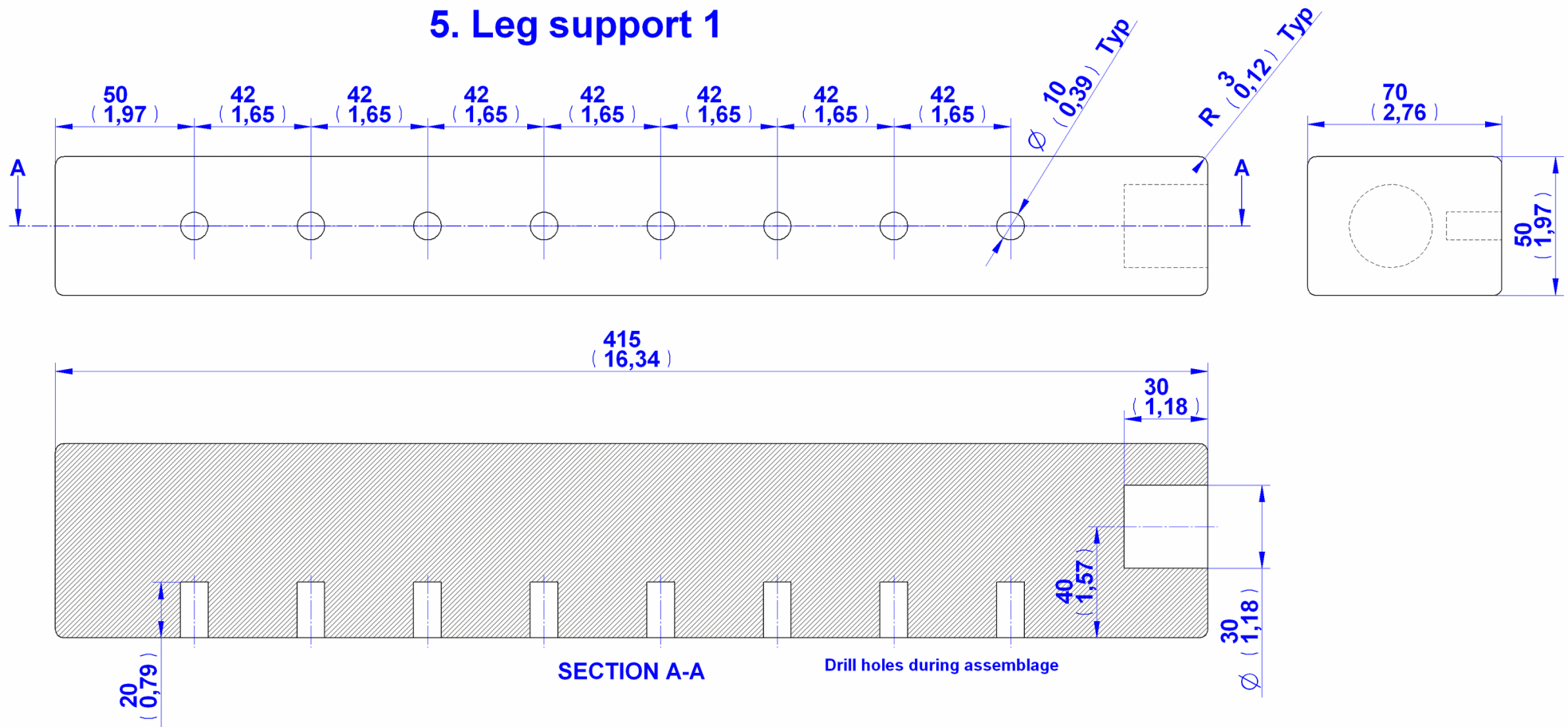


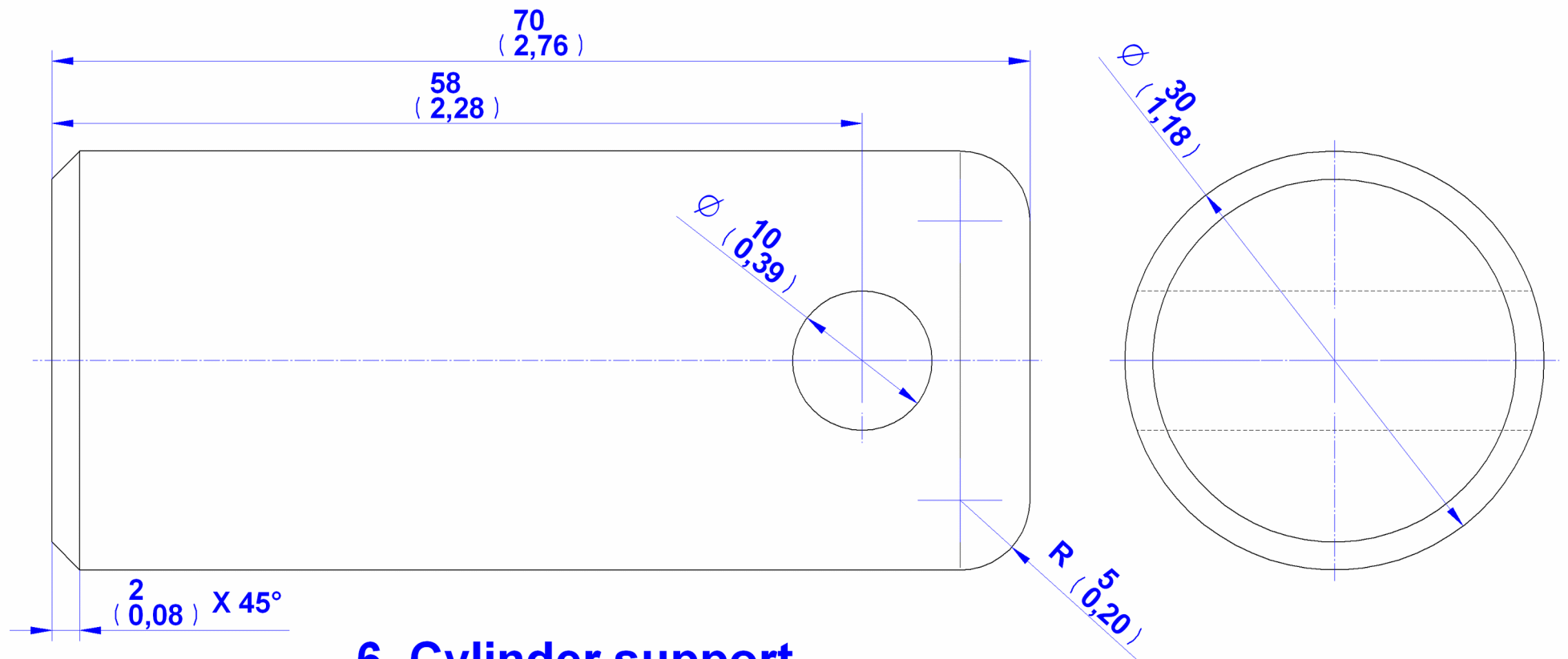
2.Dowel D10 x 40mm



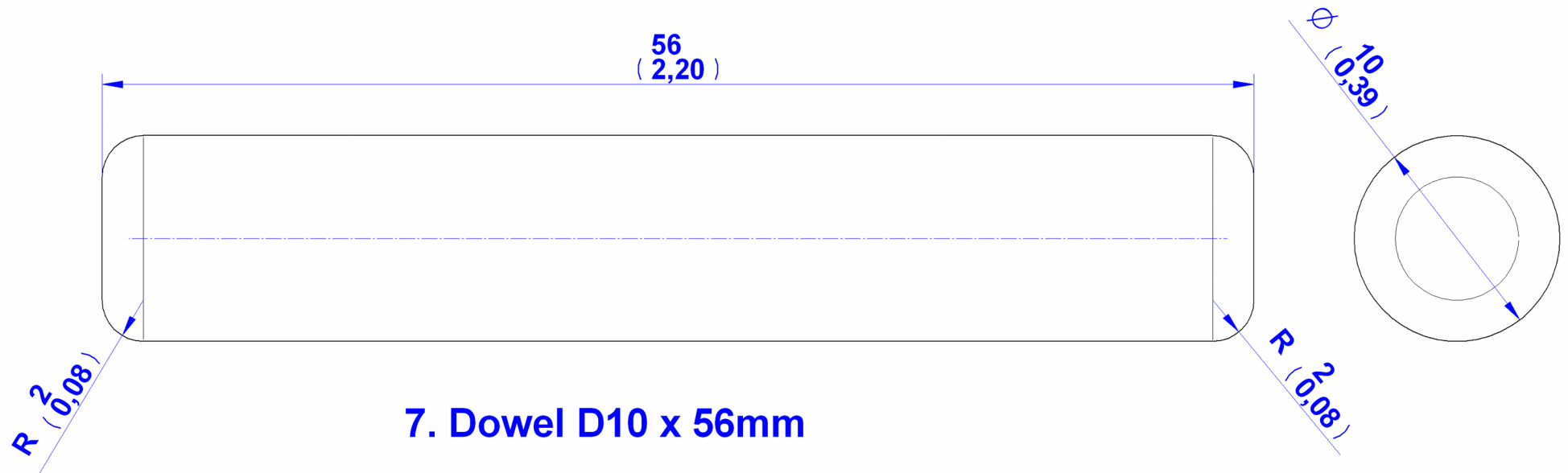


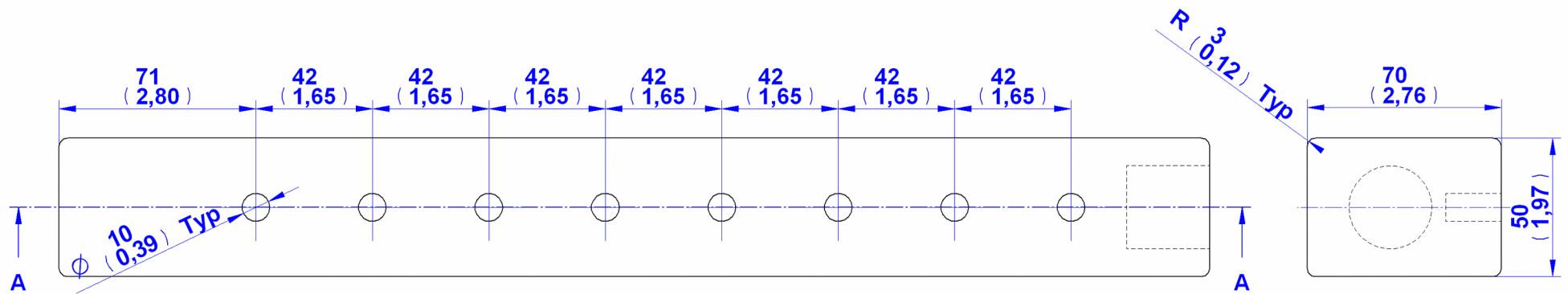
5. Leg support 1



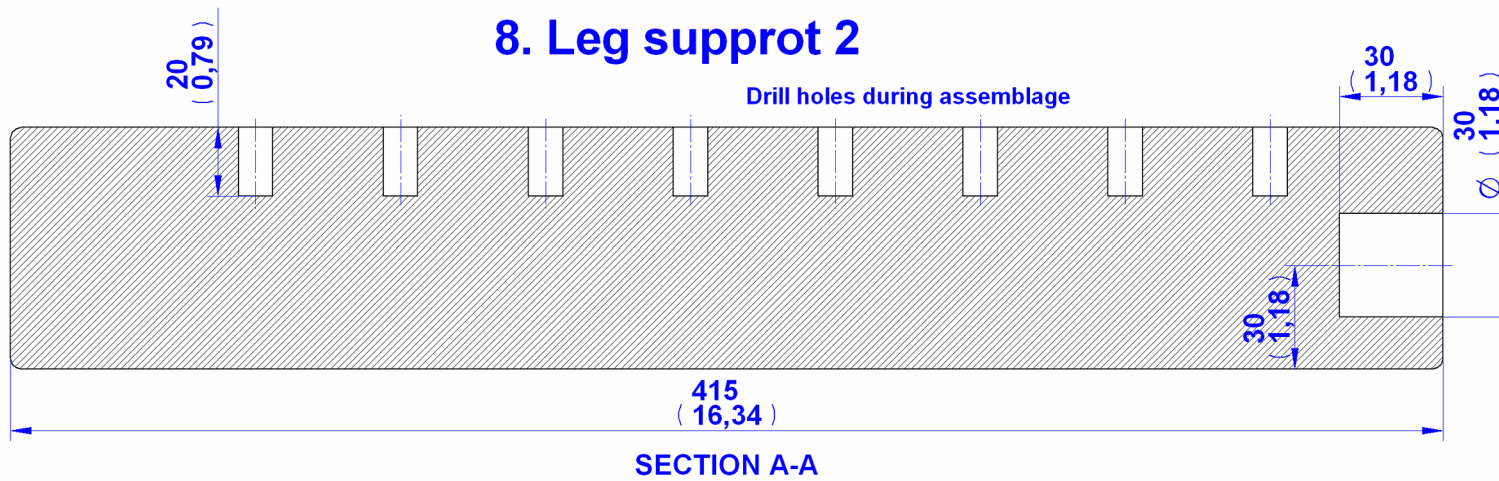


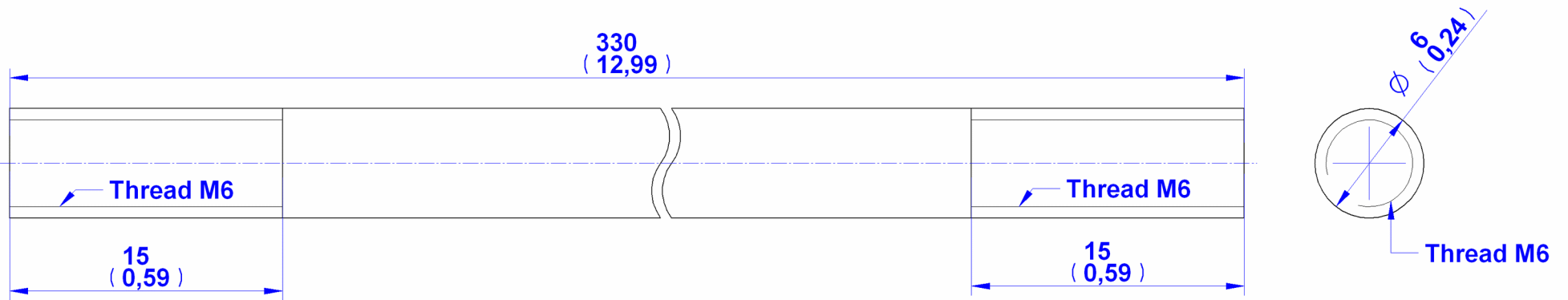
6. Cylinder support



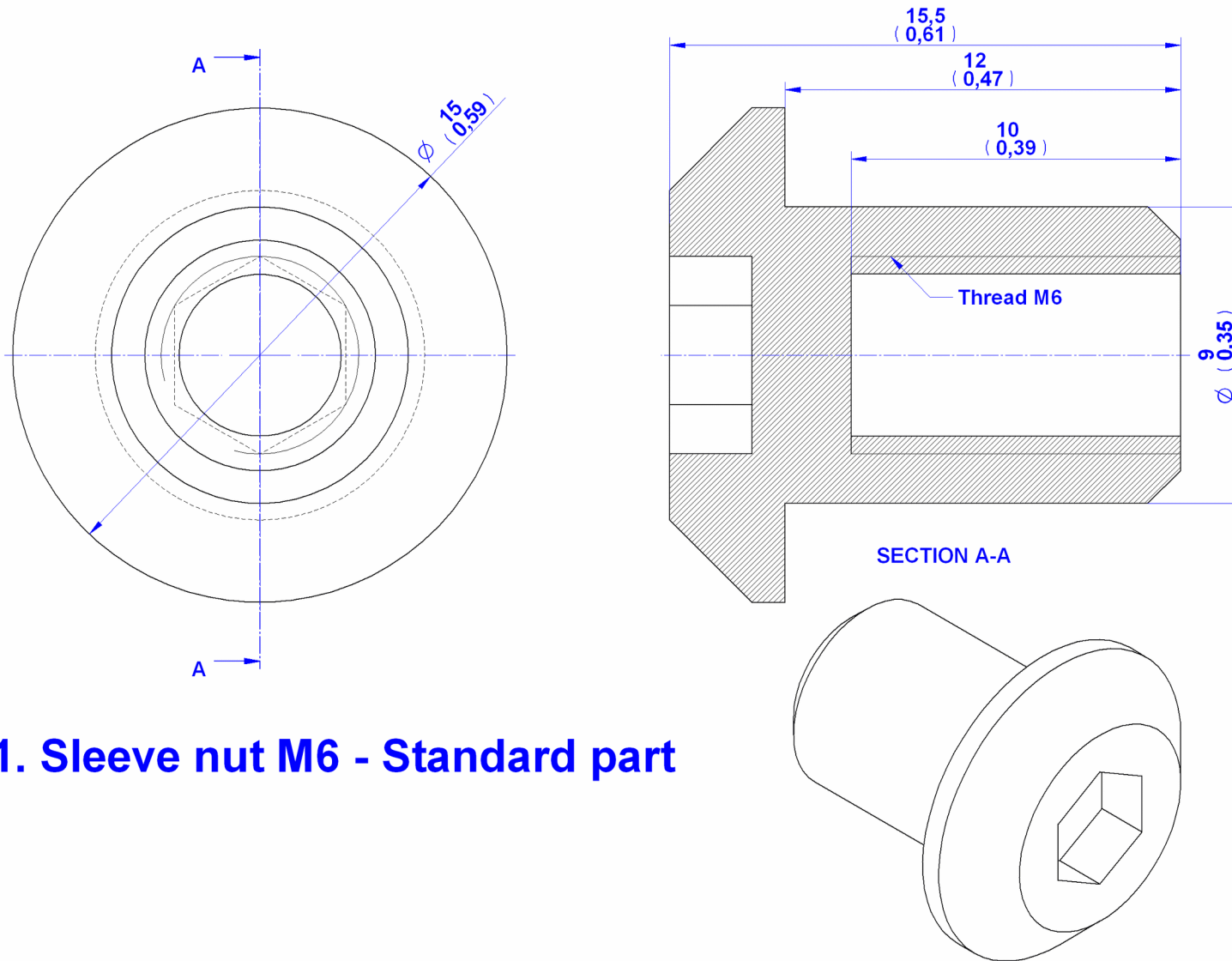


8. Leg support 2

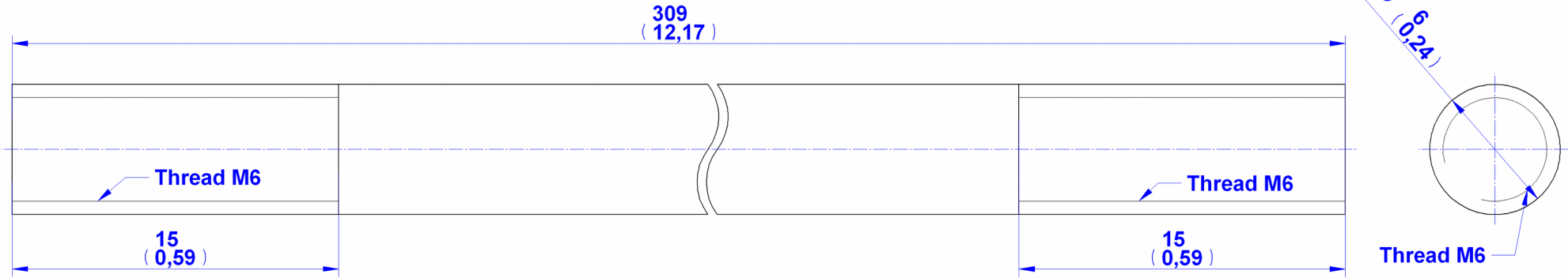




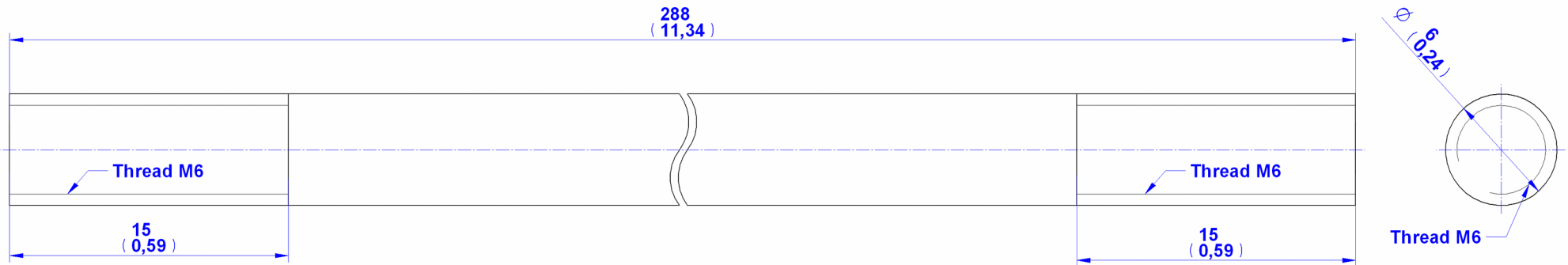
10. Threaded axle 1



11. Sleeve nut M6 - Standard part



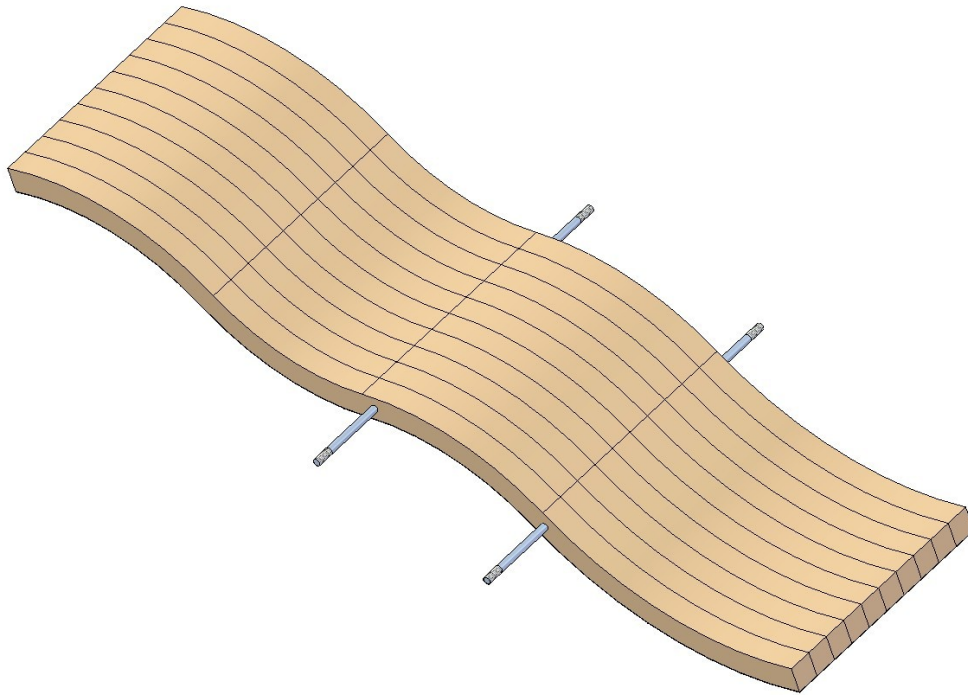
12. Threaded axle 2



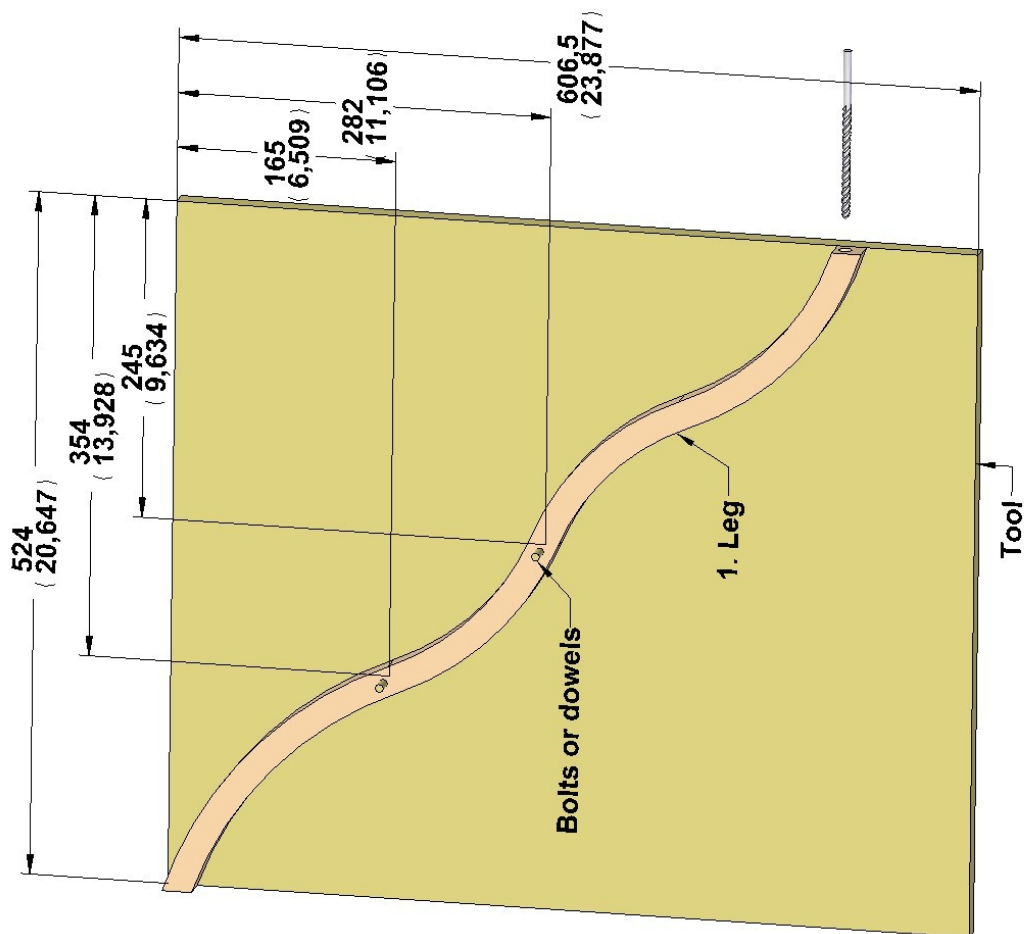
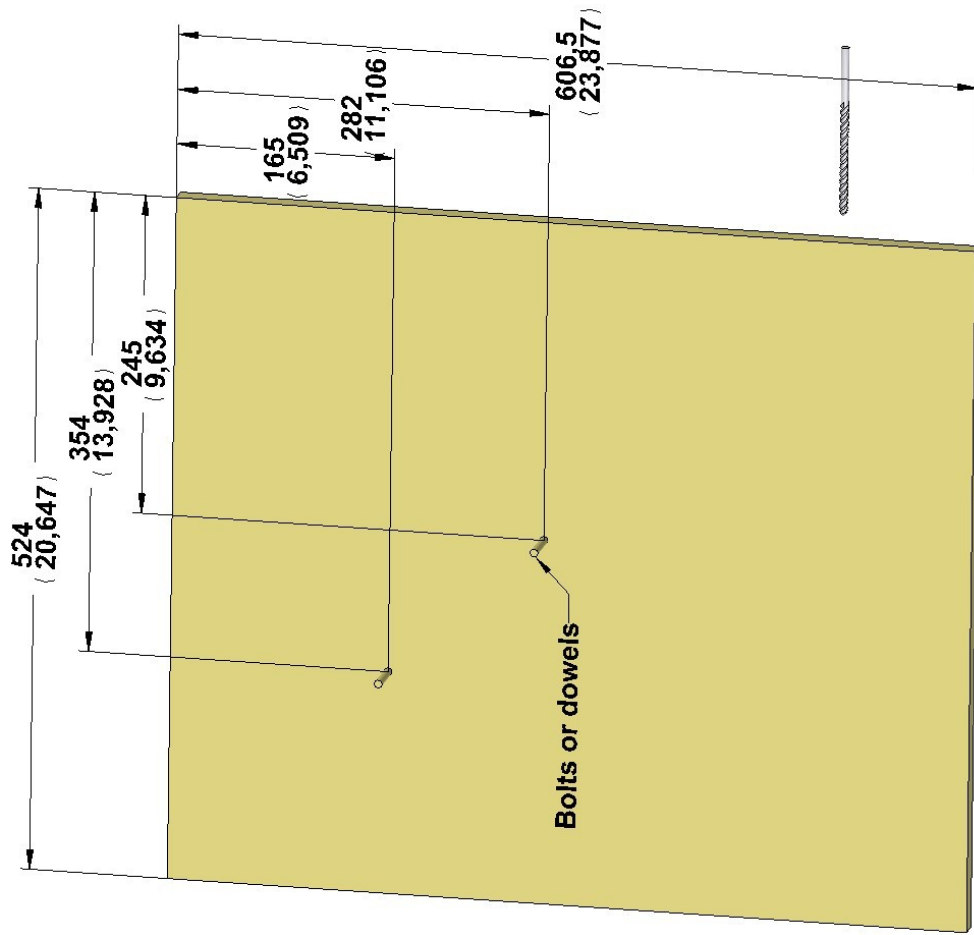
13. Threaded axle 3

Medieval chair assemblage instructions

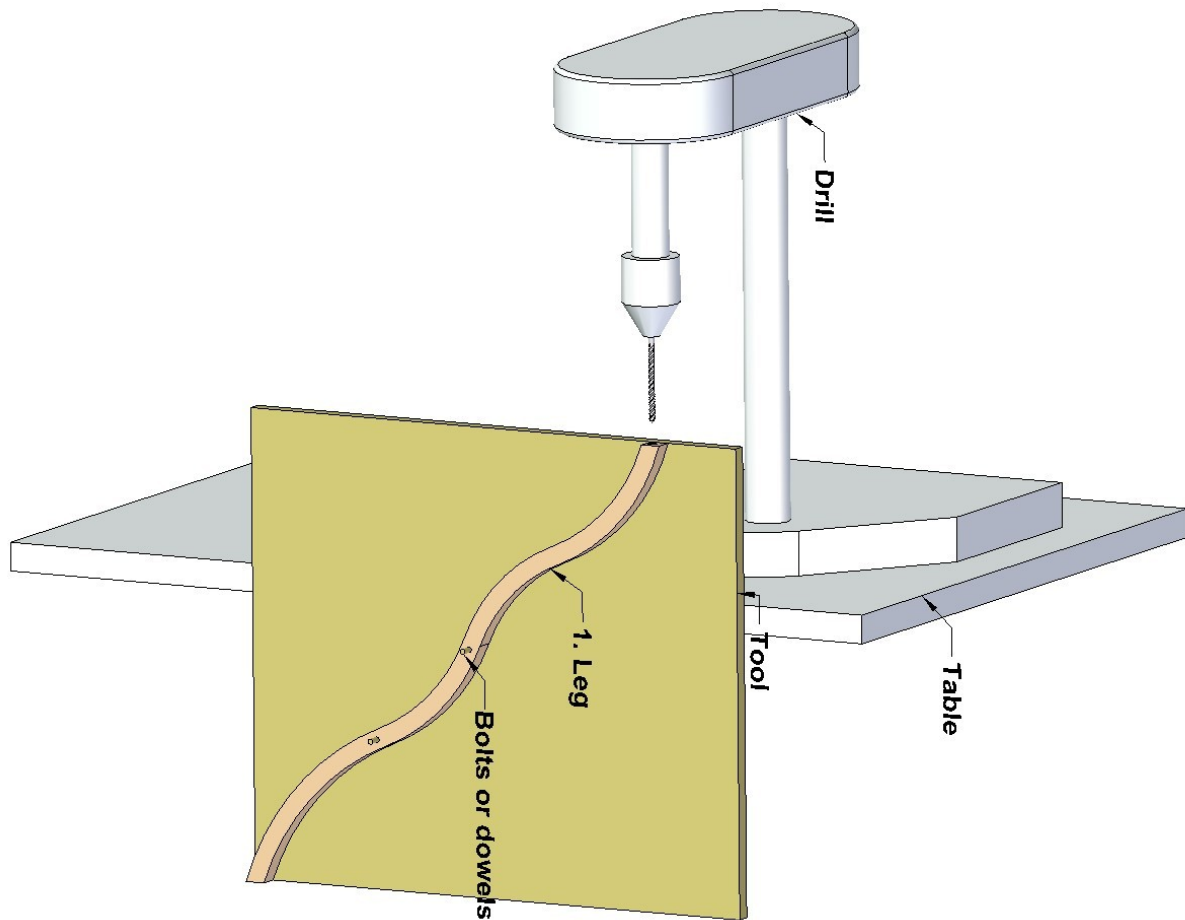
1. While making this chair, you have to pay special attention to the Legs (part 1). Our recommendation is to draw these parts on paper which will serve as a template for cutting out the first segment of the Leg (part 1). Cut slowly this part out of wood using jig saw by the template that you drawn earlier. With the rasp and sandpaper smoothen the surface and small irregularities that the jig saw made. Drill the holes with 6mm diameter following 2D documentation. Use this one leg as a template to make other legs. When you pull the axle trough the holes fasten them together with wise, as it is shown on a picture. Take the sand paper and smoothen additionally all Legs, so they look identical.



Now, drill the holes with 6mm diameter on legs ends. You can make the tool for this purpose that will help you to make this step precisely.

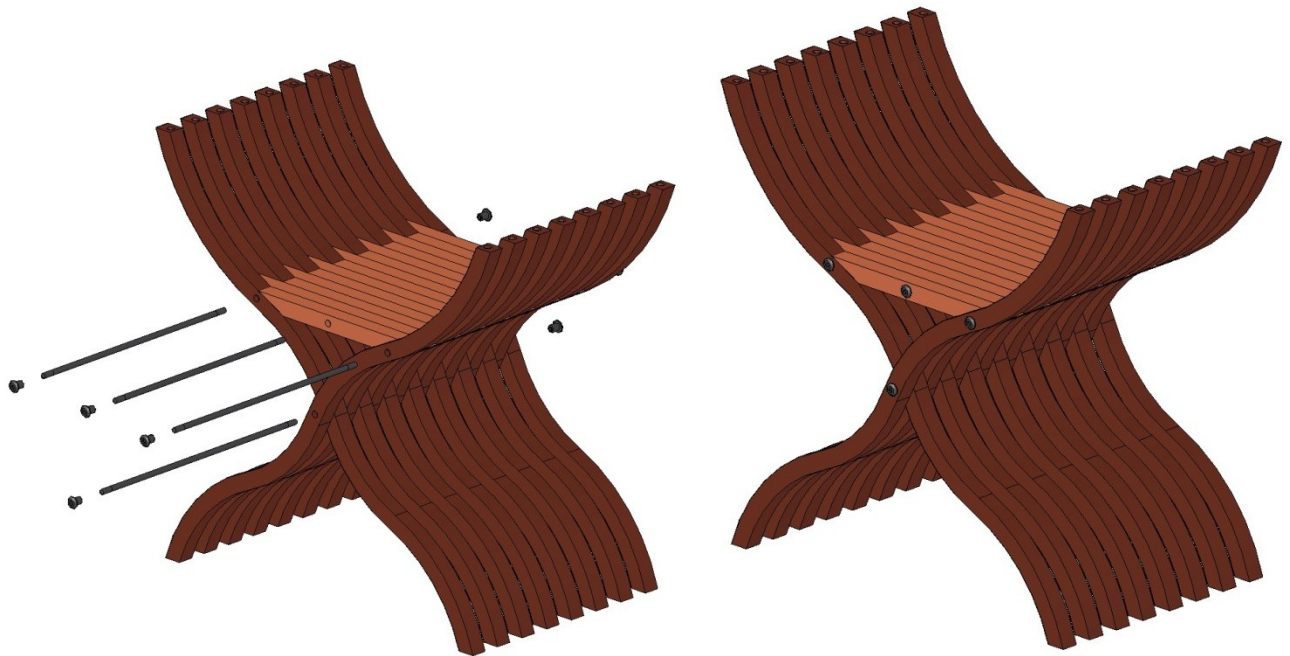
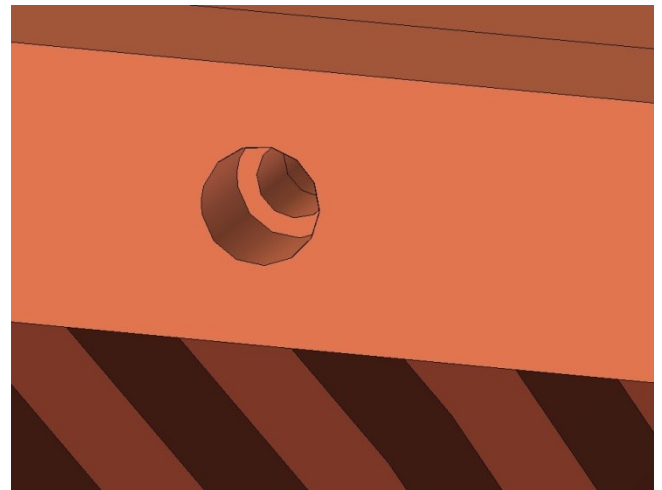
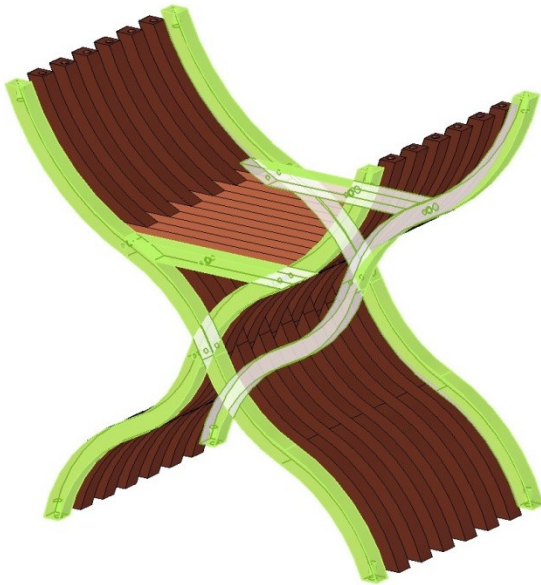


Fasten the tool with clamps to the table, as it is shown on the picture.

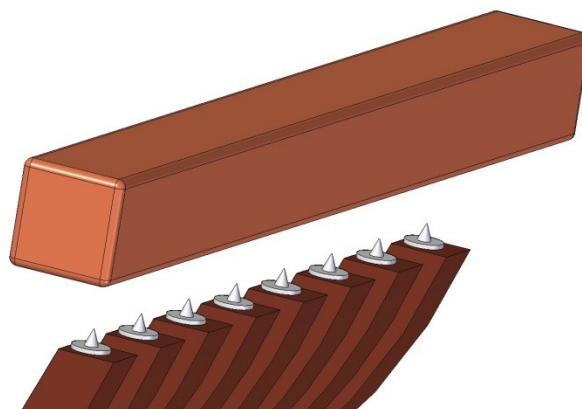


Mark the position of the hole and fasten the drill press to the table, so the tip of the drill bit touch the hole center. Now drill the holes with 20mm depth on all legs. When you did this, turn the tool around (for 180°) and repeat the procedure to drill same holes, but on the other side of the legs.

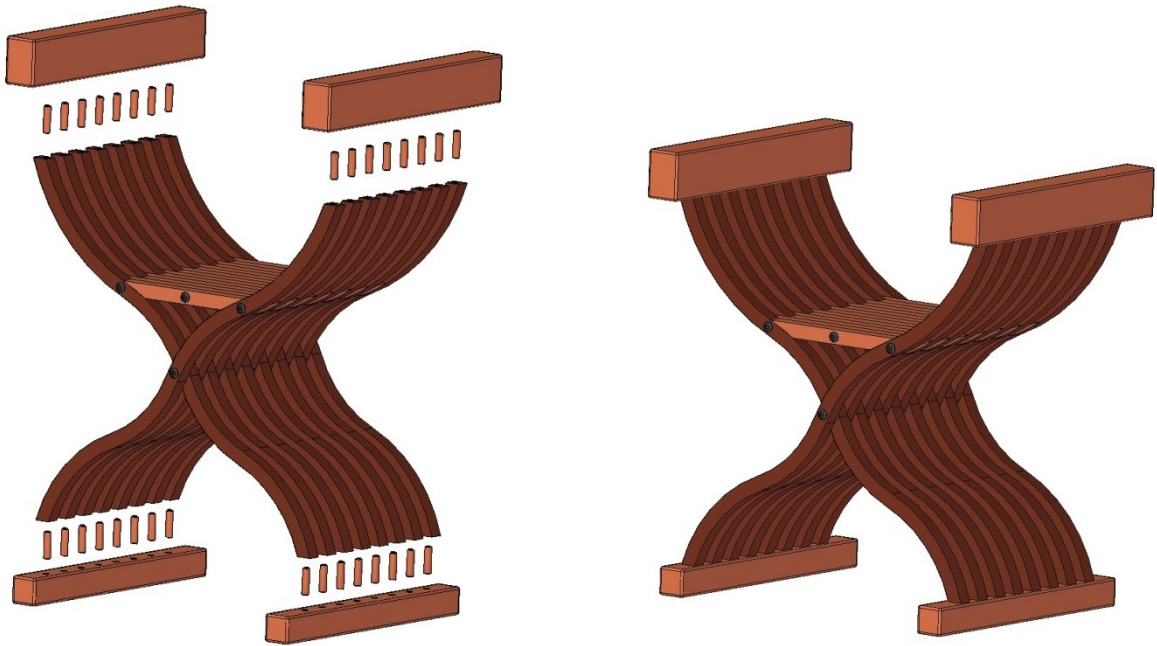
2. On highlighted parts you need to widen the 6mm holes in that way, to put the Sleeve Nut (parts 11) in it. From Leg (parts 1), Seat slat (Parts 4), Threaded axle 1 (Part 10), Threaded axle 2 (Parts 12), Threaded axle 3 (Part 13) and Sleeve nut (Parts 11) form the subassembly as it is shown on picture.



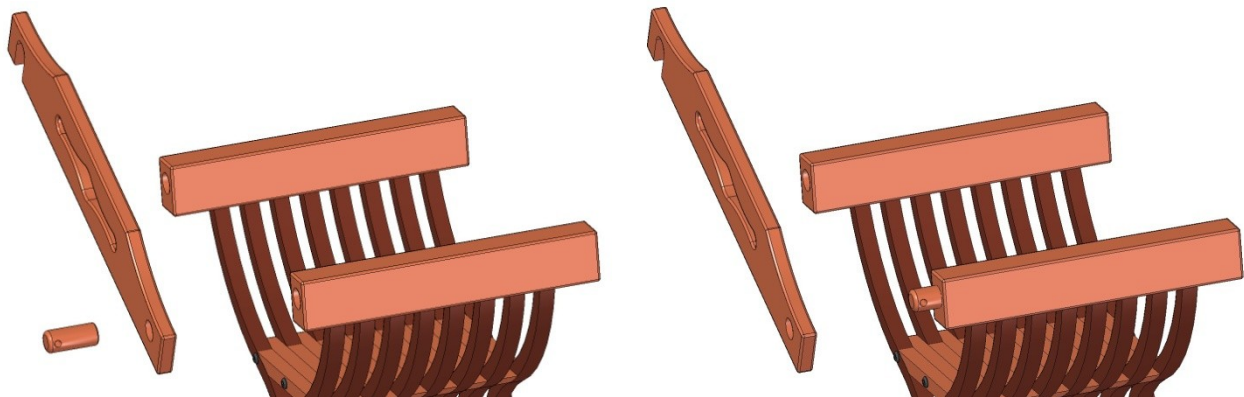
3. With the Dowel centers mark position of the hole center on the Bottom Rail (part 3). Leg Support 1 (part 5) and Leg Support 2 (part 8). Then carefully drill the holes on marked places.

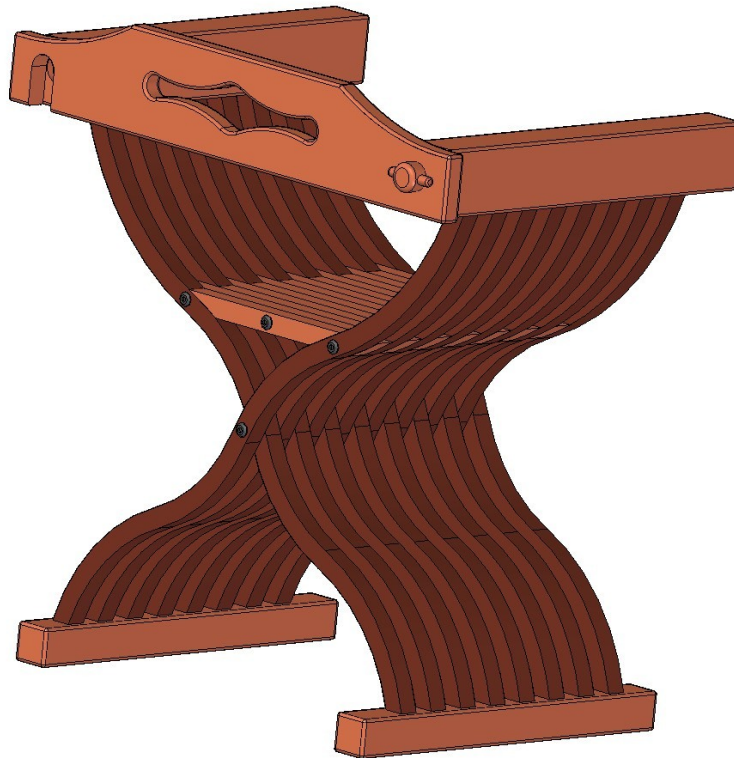
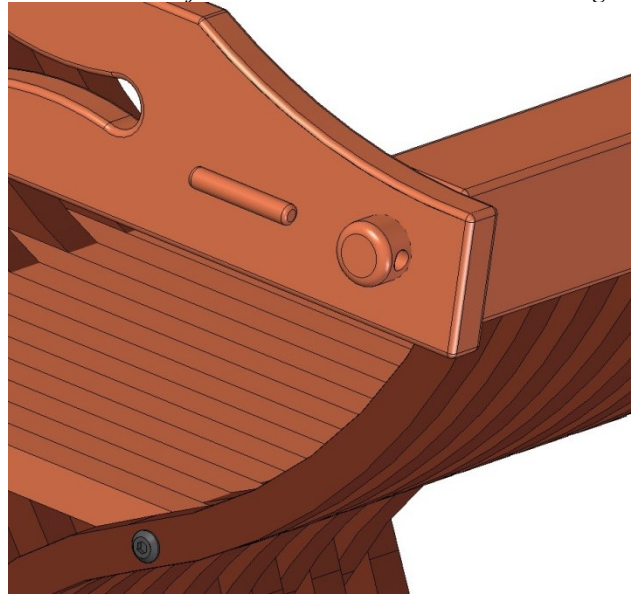
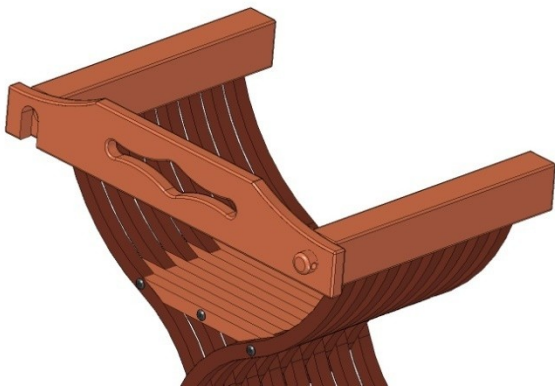


Glue the Bottom Rail (part 3), Leg Support 1 (part 5) and Leg Support 2 (part 8) to the subassembly made in step 2 by using Dowels D10 x 40mm (parts 2).



4 Glue the Cylinder Supports (part 6) to the subassembly made in the previous step, pull on the Back Support (part 9) over it and glue the Dowel D10x56mm (part 7), just like it is shown on the picture.





5. Glue the Cylinder Supports (part 6) and Dowel D10x56mm (part 7) to the subassembly made in the previous step.

