

Bevel square plan

Here we are presenting a plan that will allow you to make Bevel square hand tool. This marking hand tool can also be found under the names 'bevel gauge', 'angle bevel' or 'adjustable try square'.

With the bevel square we can easily perform the following two functions:

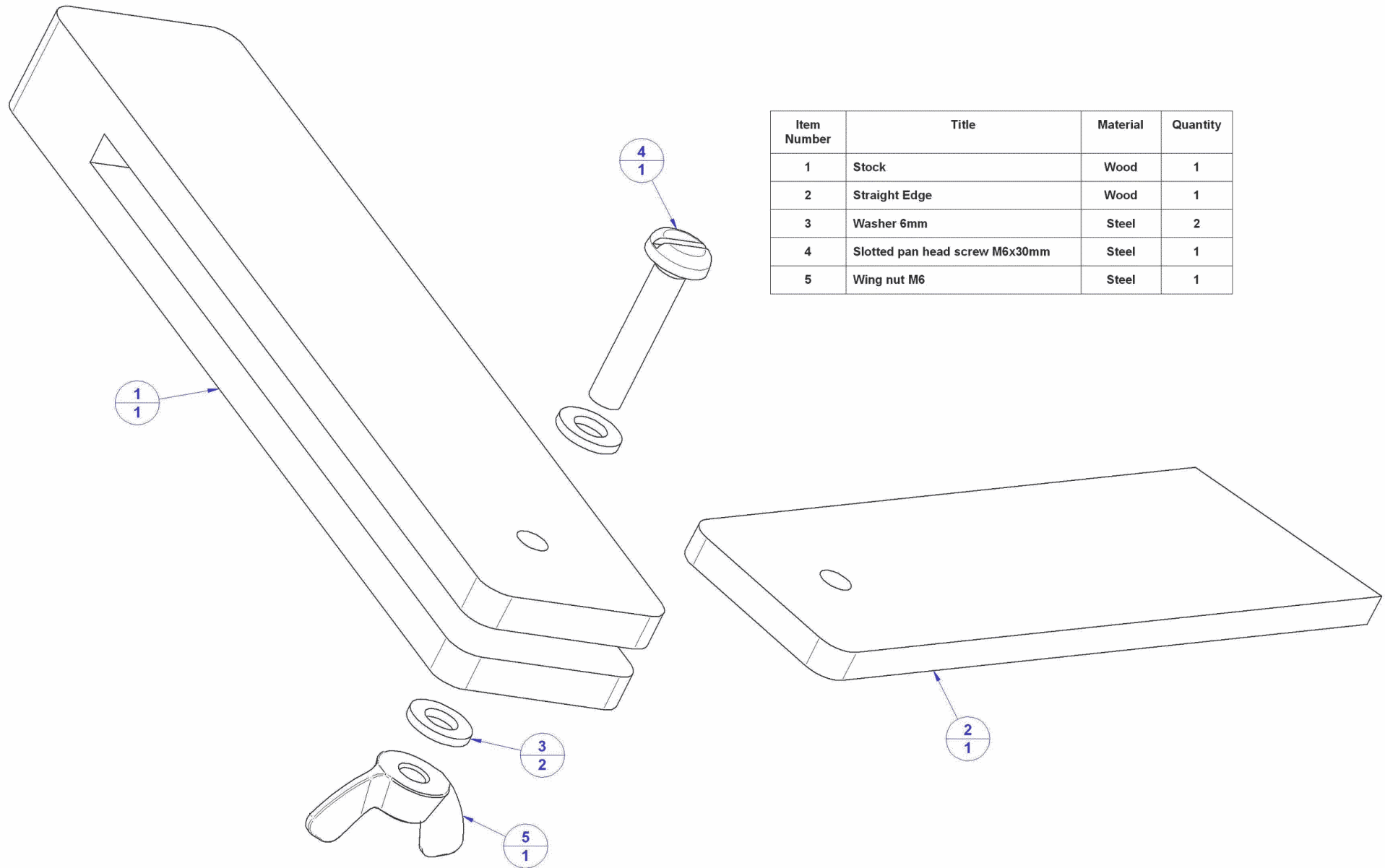
- Marking out an angle – e. g.: when you need to mark out some angle on the stock. Set the bevel square to a desired angle, transfer it to the stock and mark out the angle. Setting the bevel square to the desired angle is possible using a protractor or framing square, or by copying the required angle from a part or construction.
- Testing the angle - when you need to check an angle. Set the bevel square to an angle to be checked. It can be any of the various angles on the parts, angles between different parts ... Use the protractor to check if the angle on the bevel square is correct, i.e. you can draw or measure angles of any size.



The bevel square (Bevel gauge) consists of a handle (or stock) to which a tongue (or blade) is attached. The dimensions of the parts may vary depending on the purpose, so that the dimensions given in this plan are for guidance only. In the picture you can see that the tongue is a little shorter than the handle. The handle and tongue are hinged together at the ends, usually through the screws, to allow the rotation of the tongue. The type of nut used is usually a wingnut, which allows quick fastening of the tongue in relation to the handle at a desired angle. You may also use a thumb-screw. The tongue can be shifted to assume any angle between zero and one hundred and eighty degrees.

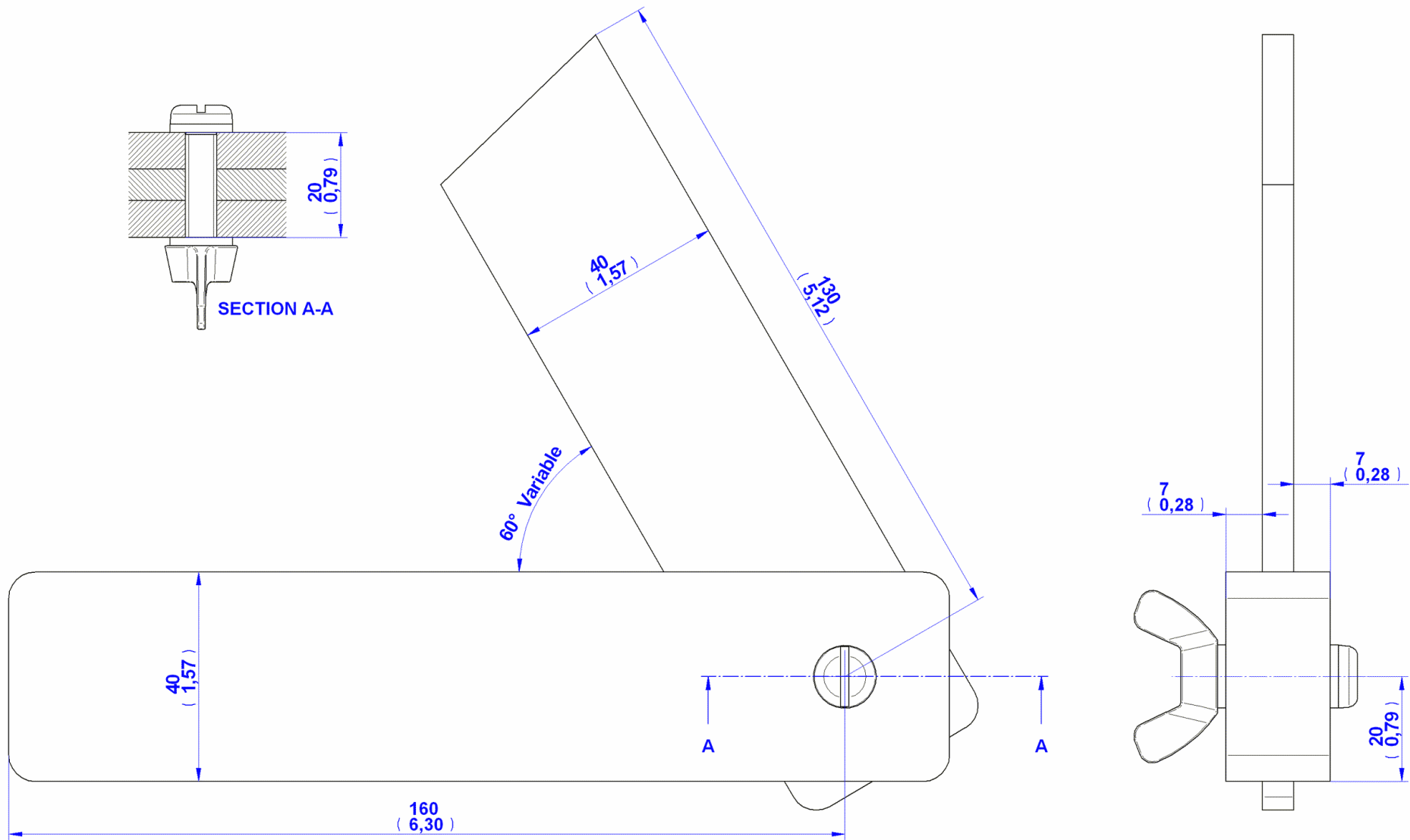
The bevel square is a very simple tool that, if used correctly, can handle a lot of tasks without using mathematics, just marking and cutting. It can be made of various materials, most commonly of wood, metal or a combination thereof. If you decide to make a bevel square according to our plan, we recommend that you use some type of hardwood. With this free woodworking plan of ours, a cheap bevel square can be made in no time, and if it is done with precision and from quality materials, it will be of the same quality as industrial bevel square products.

Parts List

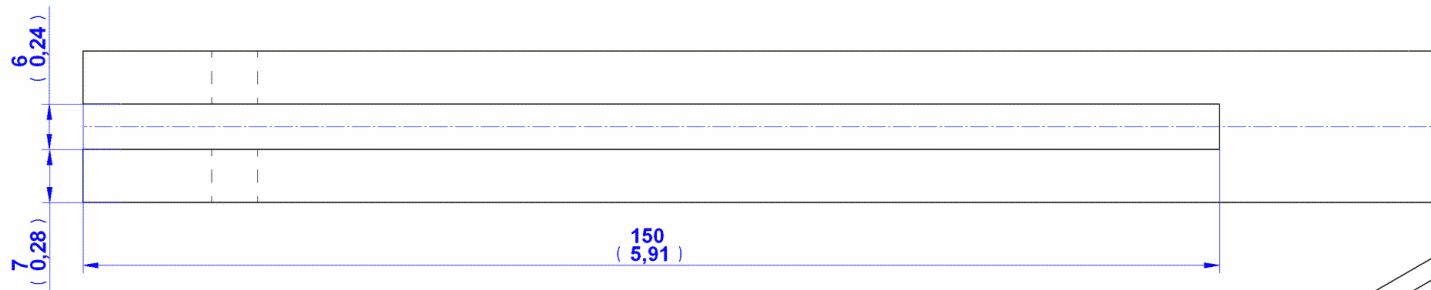
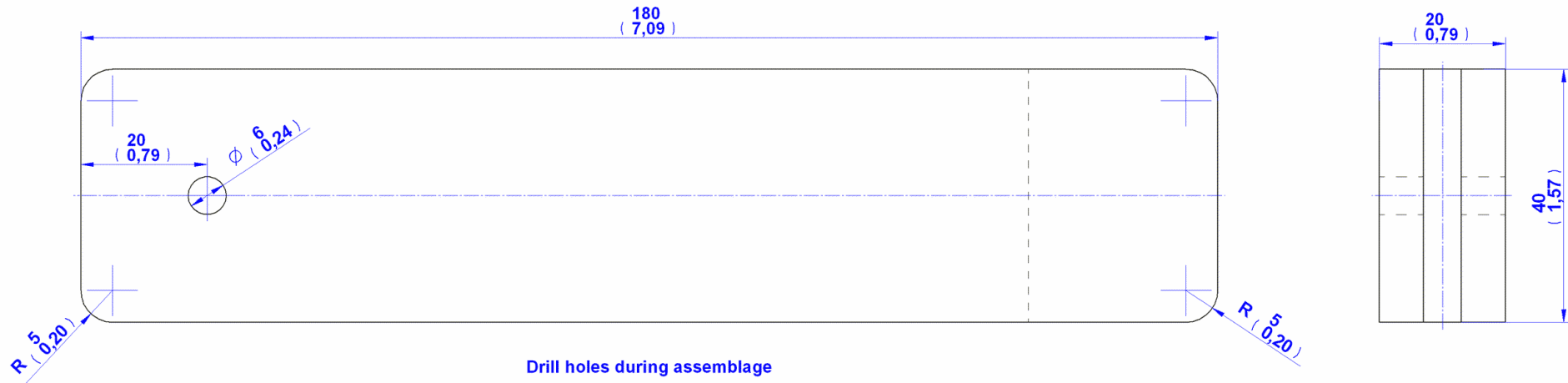


Item Number	Title	Material	Quantity
1	Stock	Wood	1
2	Straight Edge	Wood	1
3	Washer 6mm	Steel	2
4	Slotted pan head screw M6x30mm	Steel	1
5	Wing nut M6	Steel	1

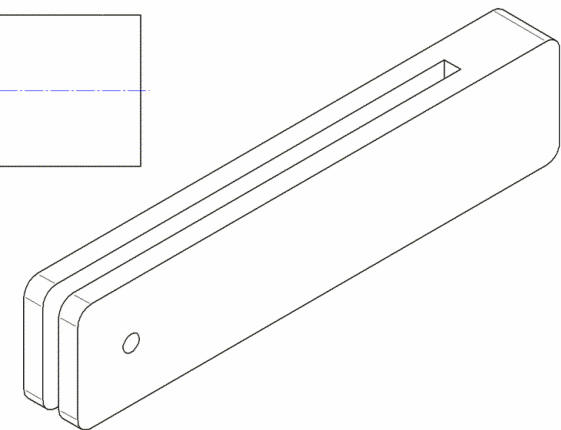
Assembly Drawing



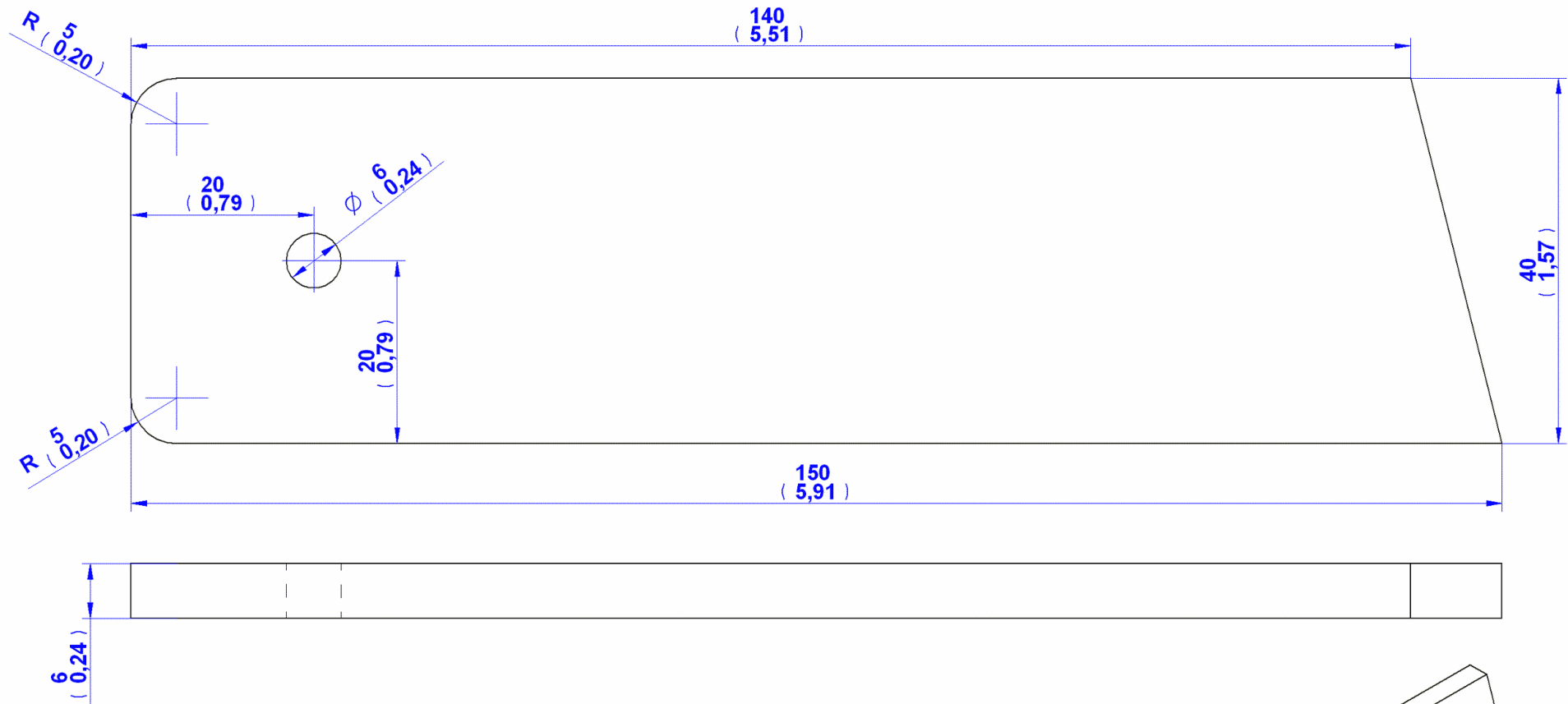
1. Stock



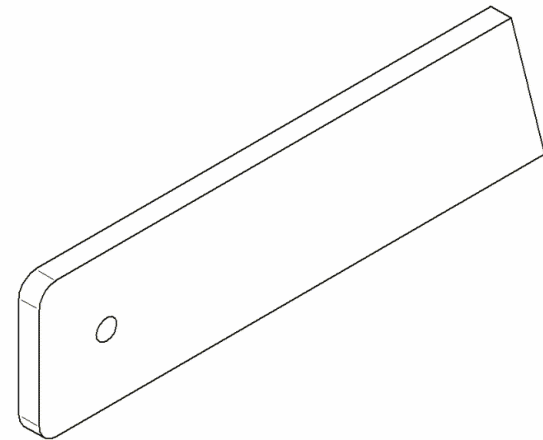
1. Stock



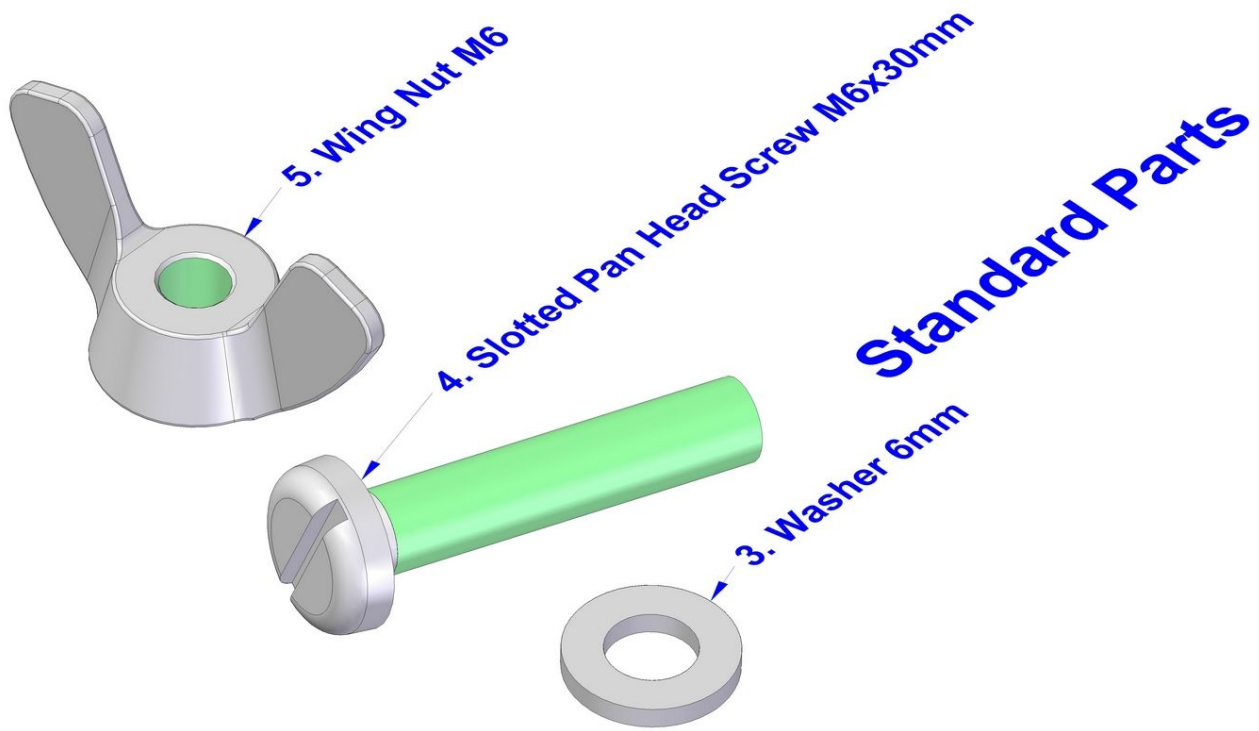
2. Staright Edge



2. Straight Edge

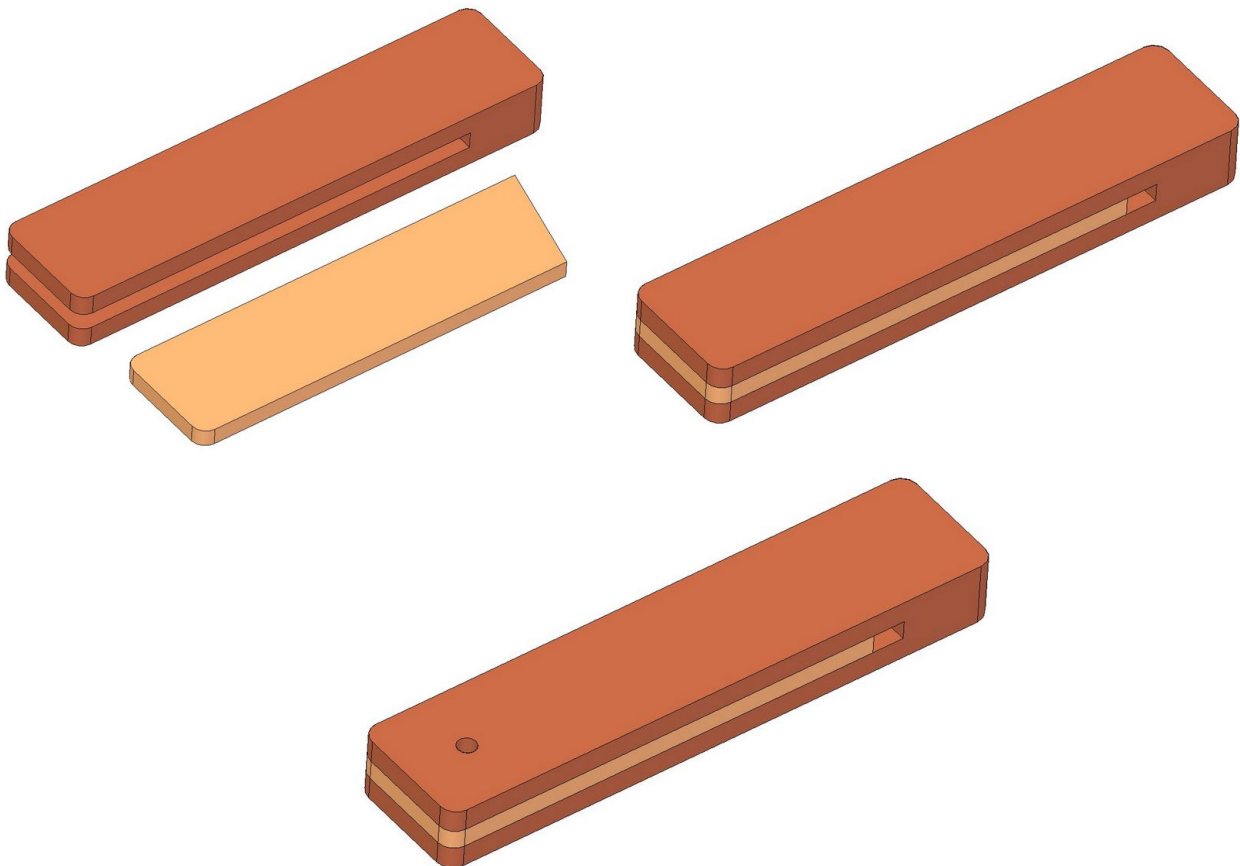


Standard Parts



Assemblage images

1.



2.

