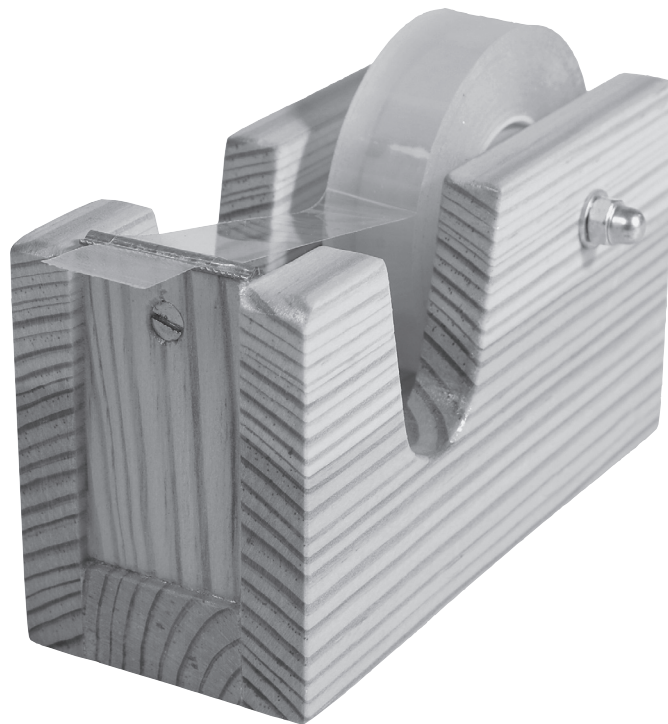# 1 0 6 . 8 4 3

S e l l o t a p e   r o l l e r

Necessary tools:

Pencil, ruler, set square

Forstner bit 20mm diameter

Drills 3mm + 4mm diameter

Countersink

Screwdriver

Spanner 5.5mm (M3) +7mm (M4)

Fine saw and mitre block

Rasp, wood file, sandpaper
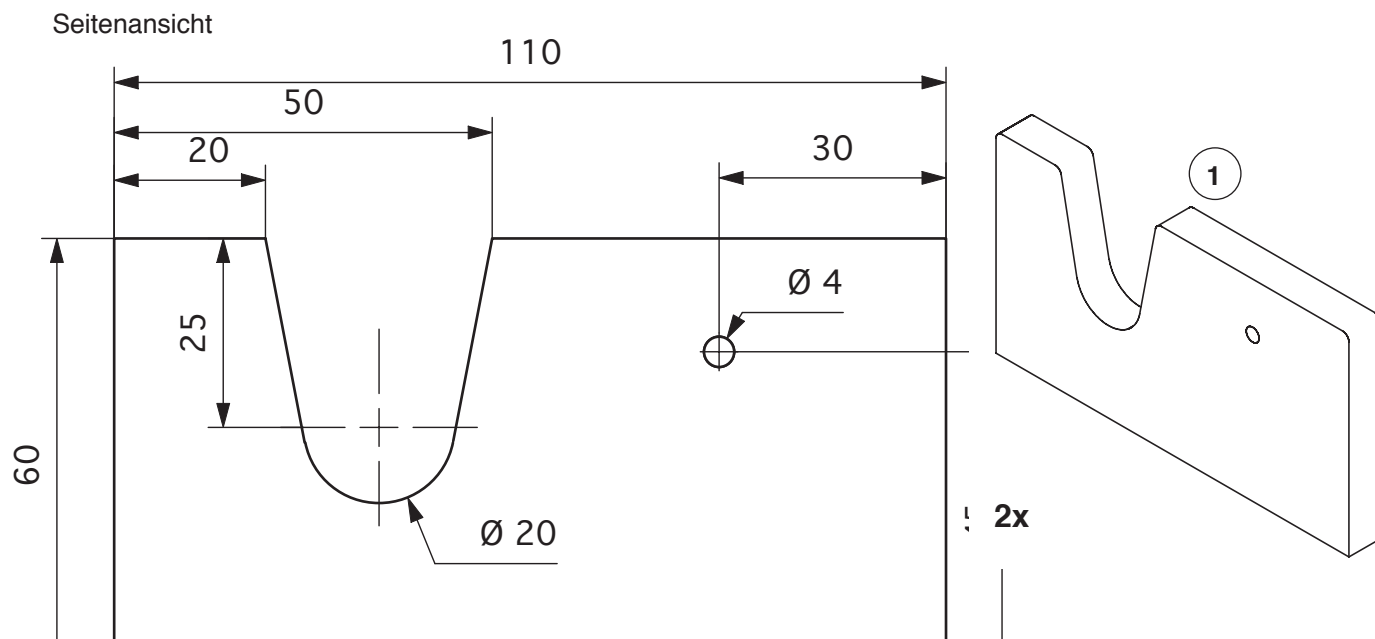
Metal saw

Wood glue

Paint, brush

Parts list:

2x	Pine strip (1)	10 x 60 x 150 mm
2x	Pine strip (2)	10 x 25 x 150 mm
1x	Pine strip (3)	20 x 20 x 50 mm
1x	cutter (4)	
1x	Screws (5)	M3 x 16 mm
1x	Nut (6)	M3 mm
1x	Set screw (7)	M4 x 50 mm
1x	Domed nut (8)	M4 mm
1x	Washer (9)	M4 mm
1x	Foam sheet (10)	2 x 90 x 95 mm

Please Note

The OPITEC range of projects is not intended as play toys for young children.They are teaching aids for young people learning the skills of Craft, Design and Tech- nolo- gy.These projects should only be undertaken and tested with the guidance of a fully qualified adult. The finished projects are not suitable to give to children under 3 years old. Some parts can be swallowed. Dan- ger of suffocation!

Working steps:

1. Saw two pieces from the pine strip (1) 10 x 60 x 150mm, each 110mm long ,use a mitre block to ensure a right angle.

Seitenansicht

110

50

20

30

Ø 4

25

60

Ø 20

1

2x

2. Cut from the pine strip (2) 10 x 25 x 150mm a piece 50mm long (2a) and a piece 110mm (2b).

3. Blade (2a) can be made in 2 versions
   Version 1: Drill the 3mm hole and from the front 2mm deep according to the plan
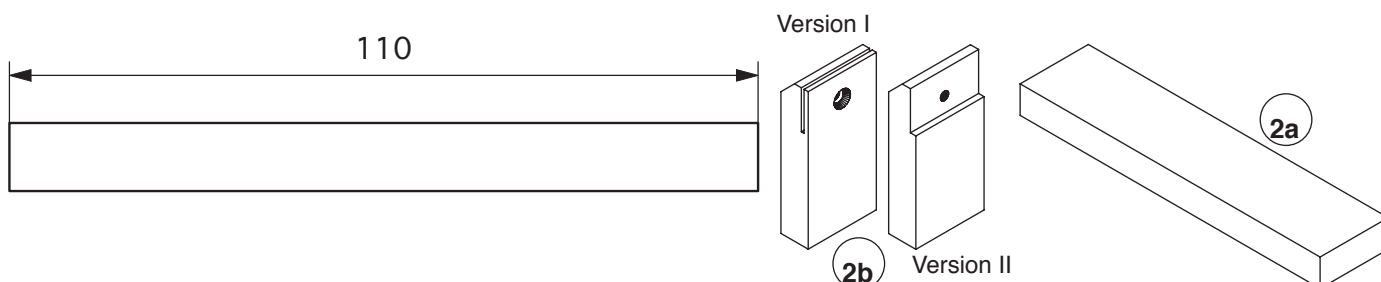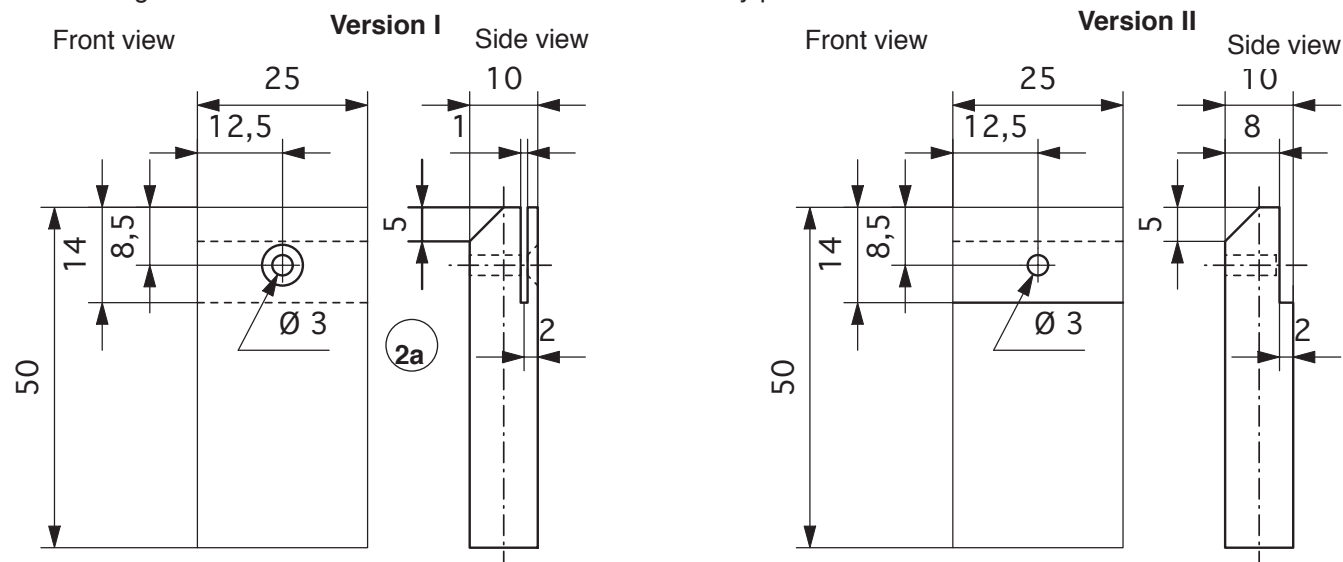   Use a fine saw to cut the slot 14mm deep for the cutter.

   Note: Make sure it is in the correct side!

   Version II: Drill the 3dia.mm hole according to the plan
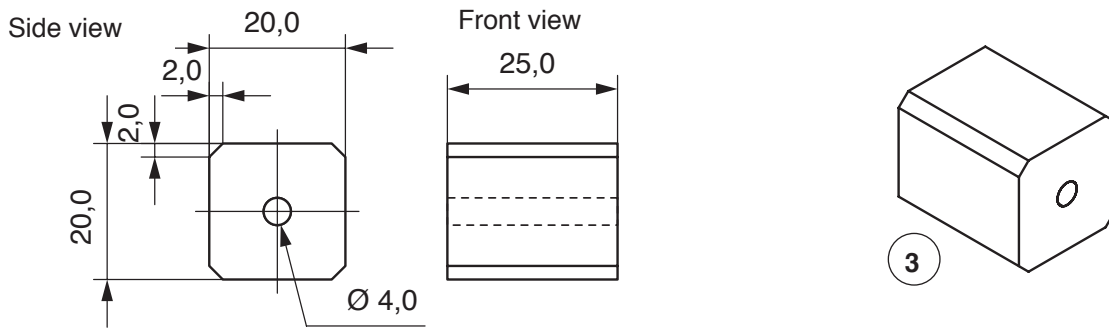   Use a fine saw or a rasp to make the 2mm deep cut out

The angle on both versions can be made with a file. Finally parts 2a+2b sand to finish

Version I

Front view   Side view

25

12,5

10

1

14

8,5

5

50

Ø 3

2

2a

Version II

Front view   Side view

25

12,5

10

8

14

8,5

5

50

Ø 3

2

110

Version I

Version II

2b

2a

E106843#1

2

Working steps:
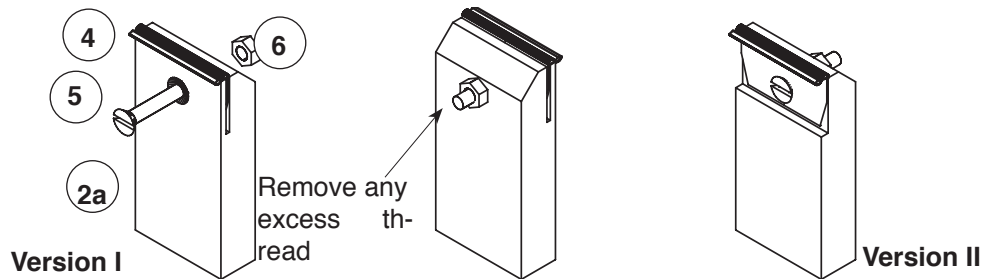
4. Saw the pine strip (3) 20 x 20 x 50mm in half
   Drill a 4mm dia hole through the end in the middle. File the edges (Check size with the centre of a sellotape rol)
   Finish and sand the holder (3).

Side view   20,0   Front view

2,0   25,0
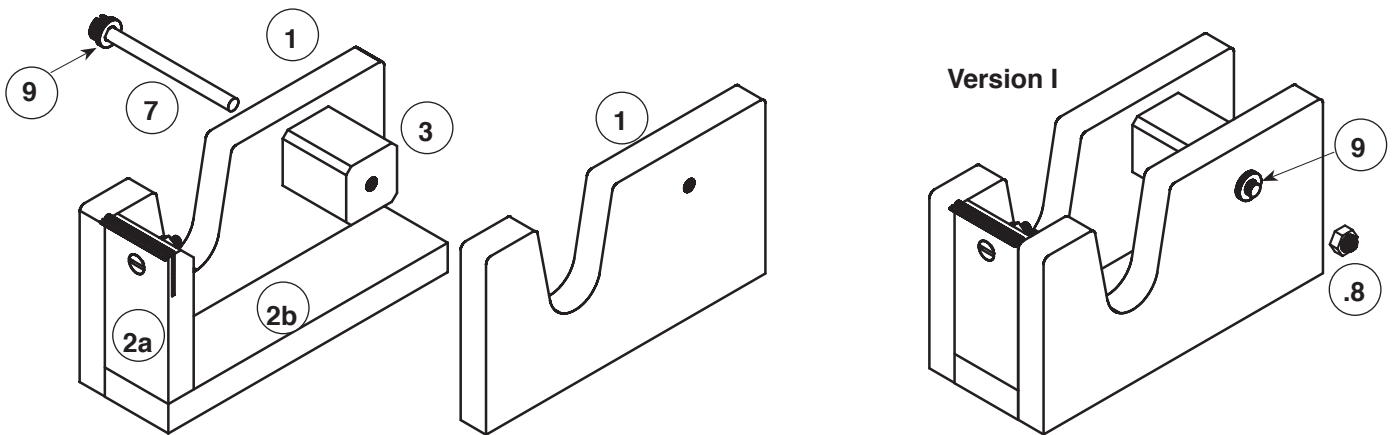
2,0

20,0

Ø 4,0

3

5. Version I:
   Press the tape cutter (4) with the sharp edge against the sloping edge, into the slit of the cutter holder (2a) Fix
   the tape cutter in place with the set screw (5) nut (6) in the holder

File off any protruding excess thread from the set screw.

4   **6**

5

2a   Remove any
            excess   th-
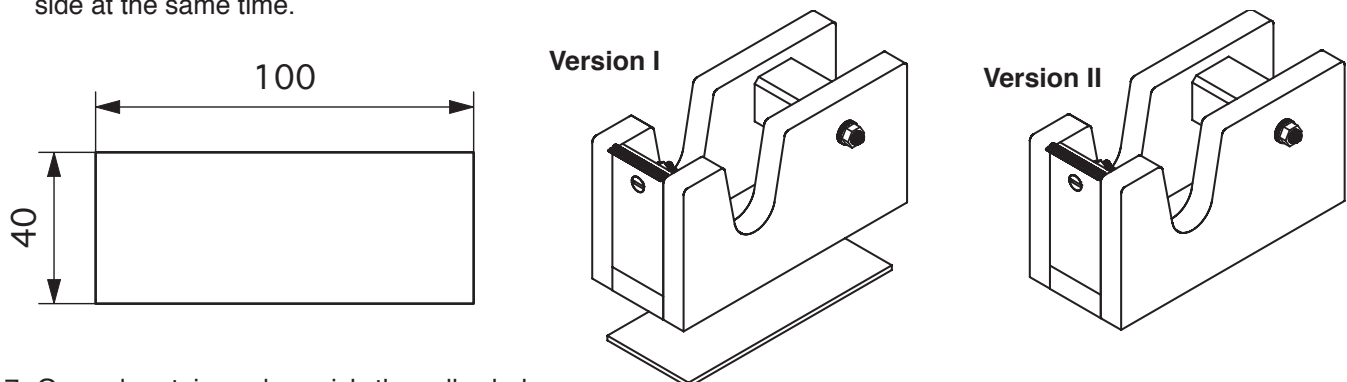**Version I** read   **Version II**

6. Glue the side parts together (1) cutter holder (2a) and base (2B) according to the plan.
   Then as spacer add the roll holder (3) use a set screw (7) washer (9) and domed nut (8) mounting the second

9   **1**

7   **3**   **1**   **Version I**

                                                    9

                                                    .8

2a **2b**

side at the same time.

100

40

Version I   **Version II**

7. Once dry stain and varnish the roller hol-
   der the colour of your choice . To do this
   firstly remove the sellotape roll holder.

E106843#1

3