

Information on these pages is required to answer Questions 4, 5 and 6

A)



B)



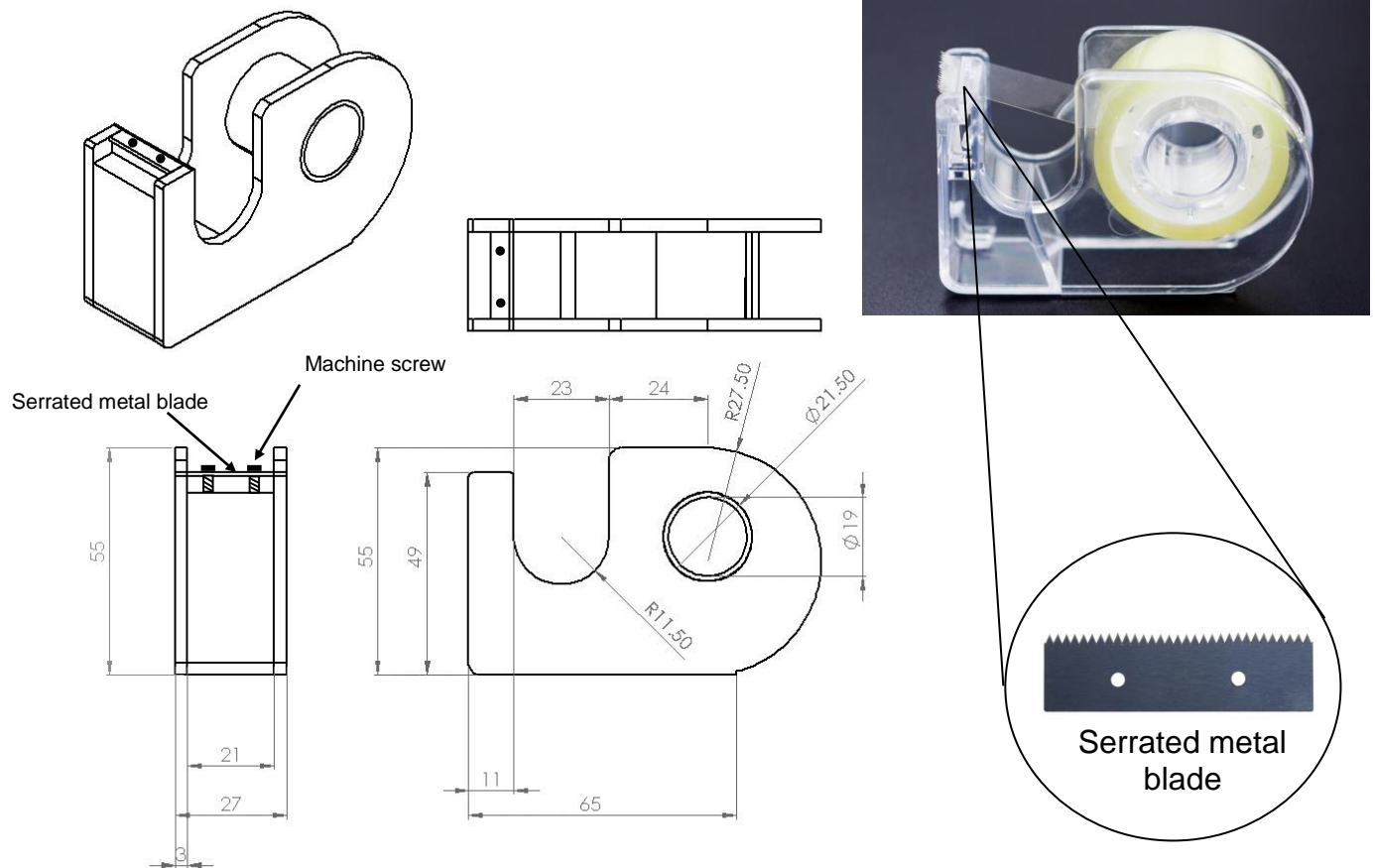
C)



D)



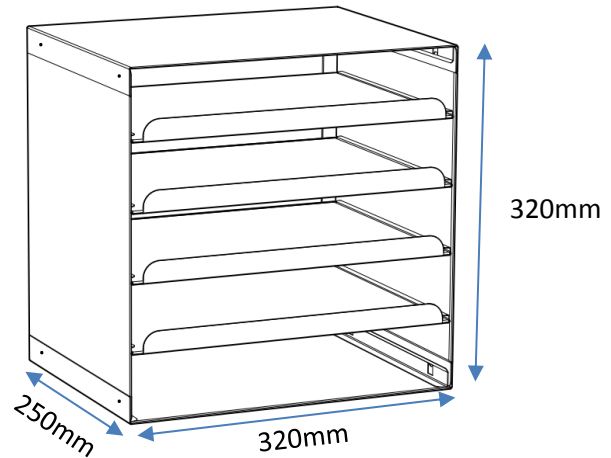
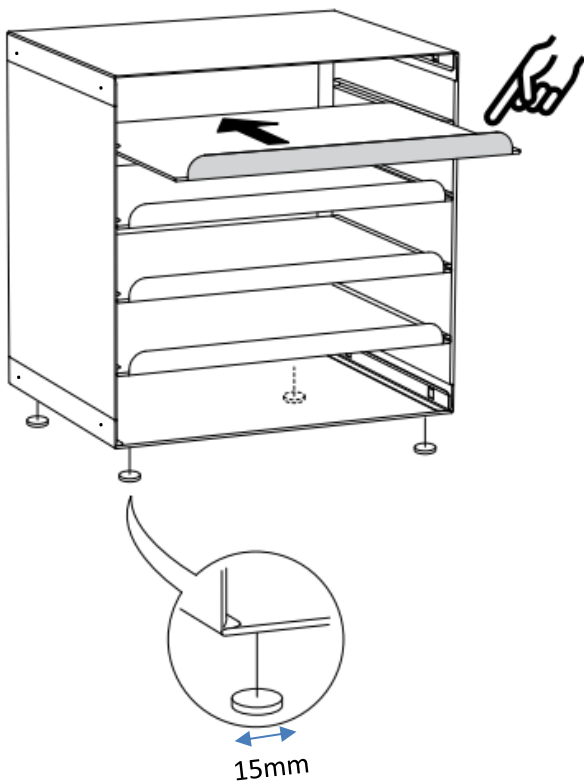
Product 1 – Tape dispenser (polymers)



A tape dispenser is used to hold small rolls of sellotape and allows the user to tear pieces off without the need for scissors.

- The tape dispenser is made from a transparent polymer and can separate to allow new rolls of tape to be installed.
- The tape is torn on a small serrated metal blade at the front of the dispenser. The blade is held in place with two small machine screws
- The prototype should be made to a 1:1 scale to ensure the tape mechanism fits inside the prototype.

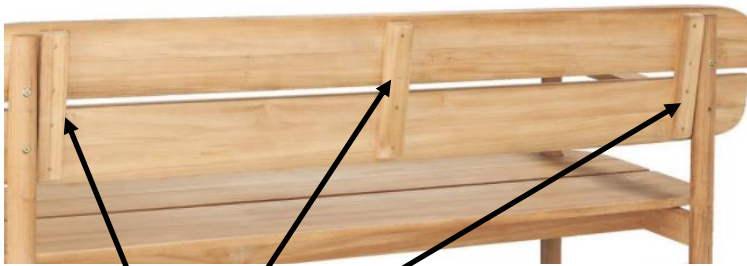
Product 2 – Filing tray (Metal)



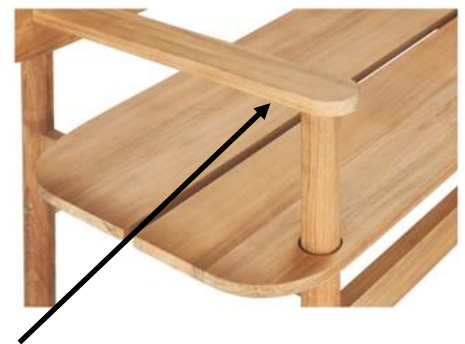
This set of drawers is designed to hold paper, each drawer slides out by the user pulling on the lip at the front. Each tray is lined with presized cork sheet.

- The feet are made from brass and attach via an adhesive disk
- The thickness of the mild steel is 1mm
- The steel is finished with a white paint
- Each shelf slides in and out without a mechanism

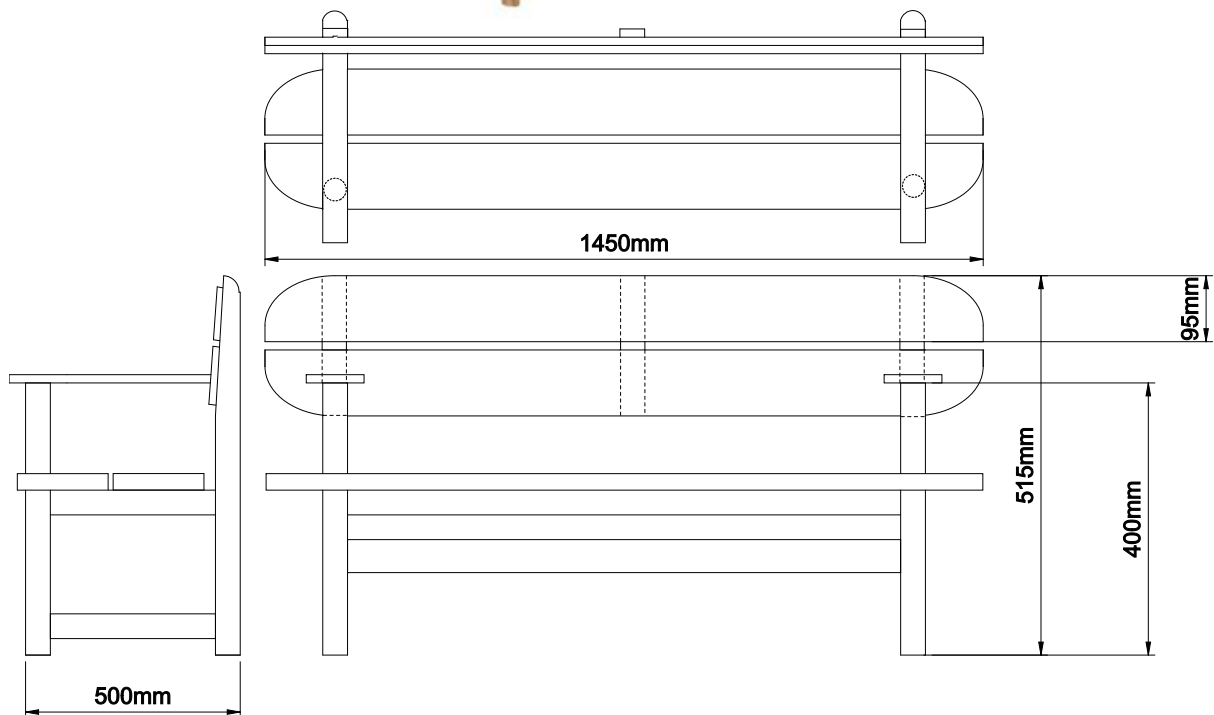
Product 3 – Wooden Bench (Timbers)



Wood screws
Slats for support



Friction fit



This garden bench is made from TEAK and would be used outdoors all year round.

- It is joined together using wood screws.
- The thickness of the timber is approximately 18mm.
- The diameter of the upright chair legs is 40mm.
- The chair is 1450mm wide, 500mm deep and 515mm high.