

Test Project

Cabinetmaking



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Introduction to Test Project

The Drawing represents a free-standing Writing Desk.

Instructions to the Competitor

The Writing Desk is to be constructed with the aid of machinery except for dovetails which must be cut by hand.

The unit consists of a carcass which is constructed using biscuit joints on the top mitres. Competitors may select their own jointing method for the bottom shelf (Domino or Dowel Joints)

The carcass has one shelf supported on shelf studs.

The Carcass is fitted with a fall front door which is constructed with mitre bridle joints, this door has a veneered centre panel which is held into position with a groove.

The door is fitted using brass butt hinges. The door will be supported by two door stays when open.

The carcass is supported by a solid wood leg frame which is constructed using mortise and tenon joinery and twin dovetail bridle joints. The side rails of the leg frame are connected to the legs with Domino joints.

The Cabinet is attached to the leg frame with Screws.

The leg frame carries a drawer made with traditional dovetail construction.

The work should be carried out in a safe manner and should not exceed the maximum working time of 22 hours.

NOTE:

Competitors must present Carcass, Drawer, Door, and Leg frame joints to the jury for joints before gluing.

1. Drawer, Door, and Leg frame joints must be handed in for assessment before gluing according to marking schedule.
2. When leg frame is submitted for joints before gluing, the side frames must be dry assembled.
3. A visual check of carcass joints will take place at the Competitors work area before gluing.
4. Should a candidate require an extra piece due to a mistake a penalty of 1 point will be deducted with a maximum of 3 points deducted.
5. Dimensions omitted on drawing are left to candidate's discretion.
6. Tolerance: +/- 0.5 mm
7. Good cabinet making practice and procedures to be adhered to during competition

Materials List - Veneer

| Component | Qty | Length | Width | Thickness | Material |
|------------------|-----|--------|-------|-----------|----------|
| Veneer | | | | | |
| Veneer - Inside | 2 | 480 | 170 | 0.9 | Ash |
| Veneer - Outside | 2 | 480 | 170 | 0.9 | Maple |
| Veneer - Outside | 2 | 300 | 170 | 0.9 | Ash |
| Veneer - Outside | 2 | 300 | 170 | 0.9 | Walnut |

Materials List

| Component | Qty | Length | Width | Thickness | Material |
|--------------------------|-----|--------|-------|-----------|------------------|
| Carcass | | | | | |
| Outer Panels | 1 | 1900 | 320 | 19 | Veneered MDF |
| Shelf | 1 | 500 | 270 | 19 | Veneered MDF |
| Lipping | 4 | 1000 | 21 | 6 | Ash |
| Lipping | 2 | 560 | 21 | 15 | Ash |
| Door Stop | 1 | 520 | 40 | 13 | Ash |
| Rail | 2 | 800 | 30 | 18 | Ash |
| Back | 1 | 400 | 520 | 5 | Veneered Plywood |
| Door | | | | | |
| Top/Bottom Rail | 2 | 520 | 40 | 20 | Ash |
| Stiles | 2 | 410 | 40 | 20 | Ash |
| Panel | 1 | 440 | 320 | 12 | MDF |
| Drawer | | | | | |
| Front | 1 | 380 | 78 | 18 | Ash |
| Sides | 2 | 320 | 78 | 12 | Ash |
| Back | 1 | 380 | 50 | 12 | Ash |
| Base | 1 | 380 | 320 | 5 | Veneered Plywood |
| Guides | 2 | 320 | 28 | 6 | Ash |
| Leg Frame | | | | | |
| Legs | 4 | 750 | 40 | 40 | Ash |
| Top Rails | 2 | 560 | 40 | 22 | Ash |
| Top Side Rails | 2 | 350 | 40 | 22 | Ash |
| Top Cross Rails | 2 | 360 | 30 | 22 | Ash |
| Back Rail | 1 | 560 | 30 | 24 | Ash |
| Side Rails | 2 | 350 | 30 | 24 | Ash |
| Bottom Cross Rail | 1 | 560 | 30 | 20 | Ash |
| Bottom Side Rails | 2 | 350 | 30 | 20 | Ash |
| Practice Material | | | | | |
| Practice Piece | 1 | 600 | 45 | 20 | Softwood |
| Practice Piece | 1 | 600 | 40 | 22 | Softwood |

| | | | | | |
|-----------------------------|---|-----|-----------------------|----|----------|
| Practice Piece | 1 | 600 | 30 | 24 | Softwood |
| Additional Materials | | | | | |
| Lamello Size 10 | | | 2 x Brass Stay | | |
| Domino (Various Sizes) | | | 2 x Handles | | |
| Screws 4 x 40 mm | | | 5mm Shelf Supports | | |
| Screws 3 x 15 mm | | | 2 x Brass Butt Hinges | | |
| Screws 3 x 12 mm | | | | | |



