

MEDNET

Model Exchange & Development of Nursing &
Engineering Technologies



Intubation Box

MEDNET File: Intubation_Drawings.zip

Intubation_Assembly.igs

Intubation_Box.stp

Description

A box constructed of polycarbonate sheets so that a nurse can intubate a patient safely without risking exposure to the virus.

Features

The sides of the box are cut with a CNC machine and have a combination of dado and rabbet joints to increase the bond area and for ease of assembly. It also has cable and hose pass-through notches on the bottom to prevent pinching. The back panel has notches to give extra clearance for the variety of intubation devices at various hospitals.

Development Information

Materials needed: Polycarbonate sheet, SCIGRIP Weld-on 3 Cement, Hypo-Type Solvent Cement Applicators 23ga

Finished dimensions: 23.5" x 16.5" x 19.75"

Polycarbonate sheet $\approx$ 0.22" x 48" x 48"

SCIGRIP Weld-on 3 Cement $\approx$ One 4oz bottle

Hypo-Type Solvent Cement Applicator 23ga $\approx$ One bottle with different tips

Production time $\approx$ 45 minutes

Approximate materials cost: \$100.00

Instructions for Use

Nurses and doctors in the medical field are trained to intubate a patient. This model just helps protect them as they intubate the person. The model may be placed over the patient and the nurse or doctor may place their arms in the openings to intubate the patient.

Material Procurement Information

To see information on the items we purchased to construct an intubation box please see the below link:

<https://wixlabs-pdf-dev.appspot.com/assets/pdfjs/web/viewer.html?>

*Developed with several prototype models from various North Alabama hospitals.

*citations: Sallis, C. Intubation Box. MED-NET. Retrieved from uahmednet.org.