

# Mold Preparation For MightyMite® 4-Hole Plate

## Prepare Model

Vacuum holes may be needed with plaster models, especially near the base of the 4-Hole Plate. If model is wet, use a casting balloon.

## Fabricating 4-Hole Plate

### Thermoforming

Any customary plastic may be used for a definitive or check socket fitting. Standard drape forming techniques may also be used with sufficient vacuum. Drape formed Durr-Plex is commonly used as a clear check socket especially with the Socket Evaluation System. Durr Flex plastic can be used in diagnostic's sockets for up to a three month evaluation period.

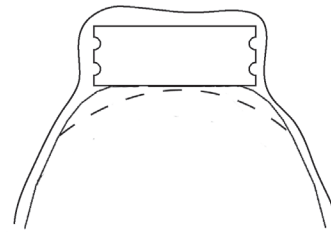
### Lamination

When laminating directly over the four hole plate be sure to apply a thin coat of stick wax (PN-990035) to the four cap screws (PN-882510) and insert flush to the plate and fill the hex head of the cap screws with silicone gel or stick wax to prevent resin leakage. The suggested fabric lay-up is the inclusion of 1" carbon fiber tape (PN-211144) crisscrossed over the plate between the four cap screws and extended up several inches and fanned out over the distal socket section. Based on weight and activity of the patient, add appropriated reinforcement and strengthening fabrics.

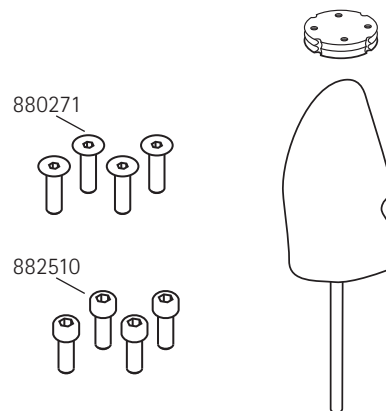
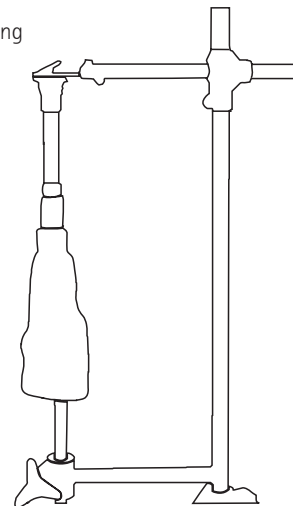
The selected resin should be prepared and poured into the outer PVA sleeve and thoroughly saturated around the four hole plate. After the resin has hardened, grind down the excess resin material from the distal end to expose and remove the four cap screws. Special care should be taken to grind excess material flat and level.

- Rated to 132 lbs.

Thermoforming



Laminating



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