

MABEL DENTAL LAB APPLIANCE FABRICATION REQUIREMENTS

SPLINTS

General Guidelines

Prescriptions

Please provide complete and signed Rx with every case.

Impressions

- Accurate impressions with any kind of impression material are acceptable.
- Impressions must adequately reflect **all relevant** anatomy.
- Impression material **must not** be separating from the impression tray.
- Consider pouring your models right away if your impressions are moisture, temperature or time sensitive.
- Impressions sensitive to moisture content should be wrapped in a damp paper towel and placed in a sealed plastic bag if models are not poured immediately.
- Only metal impression trays and those with PVS impression material will be returned.

Models

- Plaster or stone models are acceptable. Generally, the durability of the stone is preferred.
- Models should be reasonably trimmed, yet sufficiently thick for strength considerations.
- No horse shoe shaped models; all models should have bases of at least 7mm in the thinnest area.
- Bases will be added as necessary, for an additional fee, to the models without bases or lacking adequate base thickness or strength.
- We always duplicate the model so please indicate if your model must NOT be duplicated, as work models are usually damaged during the appliance fabrication process.

Bite Records (use the open construction bite technique, see next page)

- Please package bite registrations carefully.
- Bite records **must not** be left between models for shipment to the lab.

Occlusal Splint (Processed Acrylic or Eclipse Flexible Hard)

Technical requirements

- Stone models are preferred.
- Opposing model is required.
- Mounted models are preferred or upper mounted only and bite registration.
- Treatment specific bite record is recommended.
 - If more than one bite record is provided please identify each bite record.
 - Arbitrary Centric Occlusion will be used if no bite record is provided.

Practical considerations

Consider the vertical dimension of the bite record.

- Avoid perforation of the bite record.
- Splint will require more adjustments, if the lab is forced to alter the bite record.
- Ideal clearance at first contact (usually in the posterior) is at least 1.5mm.
- Index model base well for durable articulation.
- Consider using better, non-alginate impression materials.
 - Due to the extensive plastic to tooth contact, splints are very vulnerable to even minor model inaccuracy.

Use Open Construction Bite Technique to Reduce Occlusal Adjustments



Place two cotton rolls behind the cuspids and instruct the patient to close until resistance is felt.



With the patient closed into this open bite, inject bite registration into the posterior openings of both quadrants.



Inject bite registration material into the anterior opening.