IPS Empress® Preparation Guide

Anterior

**ANTERIOR CROWN PREPARATION**
- Butt joint margin
- 1.0-mm reduction at gingival margin
- Butt joint margin
- 1.5-mm lingual contact clearance
- 1.5-mm to 1.5-mm facial reduction
- 1.5-mm to 2.0-mm incisal reduction
- Football-shaped finishing bur

**UNIFORM FACIAL PREPARATION**
A medium grit, round-ended, diamond bur is used to remove a uniform thickness of facial enamel by joining the depth-cut grooves.

**INCISAL PREPARATION**
The diamond bur is angled to bevel back the incisal edge.

**CHAMFER MARGINS**
Correct preparation of the chamfer margins interproximally allows the appropriate bulk of porcelain.

Posterior

**POSTERIOR CROWN PREPARATION**
- 1.5-mm to 2.0-mm occlusal reduction
- Rounded internal line angles
- 1.5-mm axial reduction
- 1.0-mm reduction at the gingival margin
- A flat-ended tapered diamond bur is utilized to establish a butt joint margin.

**INLAY PREPARATION**
- 1.5-mm to 2.0-mm isthmus width
- Butt joint margin
- Rounded internal line angles
- 1.0-mm to 1.5-mm wide gingival floor
- 1.5-mm depth at isthmus

**ONLAY PREPARATION**
- 1.0-mm to 1.5-mm wide gingival floor
- Butt joint margin
- 1.5-mm to 2.0-mm isthmus width
- Rounded internal line angles