**ANTERIOR CROWN PREPARATION**

**Veneer 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.

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**3-UNIT BRIDGE PREPARATION**

**IPS Empress®**

- Anterior Crown
- Veneer
- Bridge
- Posterior Crown
- Bridge
- Inlay/Onlay

**IPS e.max®**

- Anterior Crown
- Veneer
- Bridge
- Posterior Crown
- Bridge
- Inlay/Onlay
Inlays/Onlays

**INLAY PREPARATION**

1.5-mm to 2.0-mm isthmus width

1.5-mm depth at isthmus

1.0-mm to 1.5-mm-wide gingival floor

**ONLAY PREPARATION**

1.0-mm to 1.5-mm-wide gingival floor

1.5-mm to 2.0-mm isthmus width

Rounded internal line angles

Rounded internal line angles

1.5-mm axial reduction

1.5-mm axial reduction

1.0-mm reduction at the gingival margin

1.5-mm to 2.0-mm occlusal reduction

**3-Unit Bridge Restorations**

**3-UNIT BRIDGE PREPARATION**

1.5-mm to 2.0-mm occlusal reduction

Rounded internal line angles

1.5-mm axial reduction

1.5-mm reduction at the gingival margin

A flat-ended tapered diamond bur is utilized to establish a butt joint margin.

**Full-Coverage Restorations**

**POSTERIOR CROWN PREPARATION**

1.5-mm to 2.0-mm occlusal reduction

Rounded internal line angles

1.5-mm axial reduction

1.5-mm occlusal reduction

1.0-mm proximal reduction

**CONVENTIONAL CEMENTATION PREPARATION**

Occlusal reduction of at least 2.0-mm in contact area

Shoulder preparation of at least 1.0-mm proximal reduction

Coronal length at least 4.0-mm

When layered or pressed ceramic margins are preferred in conjunction with a zirconia framework, enhanced gingival esthetics can be achieved with a definitive 90 degree shoulder preparation.

www.ivoclarvivadent.com

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