Stainless Steel Crowns
Unitek™ Stainless Steel Crowns

Indications:
• Extensive caries
• Pulpal exposures
• Developmental disorders
• Long-term adult provisionals
• Fractured teeth

Preparation:
• A small tapered, carbide bur (69-L or 169-L) or Diamond bur will work well for tooth reduction.

Occlusal surface:
• Reduce occlusal surface:
  3M™ ESPE™ Crown 1.0mm - 1.5mm, 3M™ Unitek™ Crown .5mm - 1.0mm
• Maintain contour: deepen occlusal grooves/reduce cusps

Proximal surface:
• Reduce proximal surfaces 1.0 mm

Cervical finish line:
• Remove any cervical shoulders or ledges.
• Buccal and lingual reduction are not routine.
Line angles and caries removal:
• Bevel line angles
• Remove caries and protect pulp.

Crown Preparation:
• Select crown and trial fit.
• Check crown height in occlusion. Crown margins should extend 1.0 mm below gingival crest.

• If crown is too long or gingival blanching occurs, trim crown using a 3M™ ESPE™ Crown Scissors or heatless stone.

• Contour trimmed areas if necessary, using a 3M™ ESPE™ Contouring Pliers. Trial fit again checking contacts, occlusion, and marginal fit.
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• Crimp as required to adapt margin for snug fit using a 3M™ ESPE™ Crimping Pliers. Smooth and thin margin using heatless stone. Polish with rubber wheel. Reseat for final trial fit.

Crown Cementation:

• Isolate tooth, rinse and dry. Mix cement and fill crown, assuring voids are not present in cement. 3M™ ESPE™ RelyX™ Luting Cement is recommended as an easy to use fluoride releasing cement.

• Seat crown firmly, check occlusion.
• Have patient bite into occlusion until cement is set.

• Remove excess cement with scaler or explorer. Floss interproximal areas.