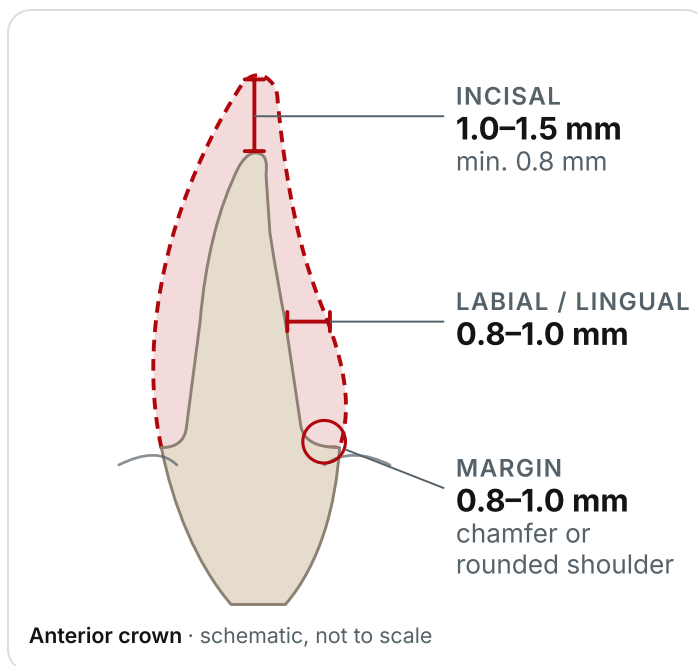
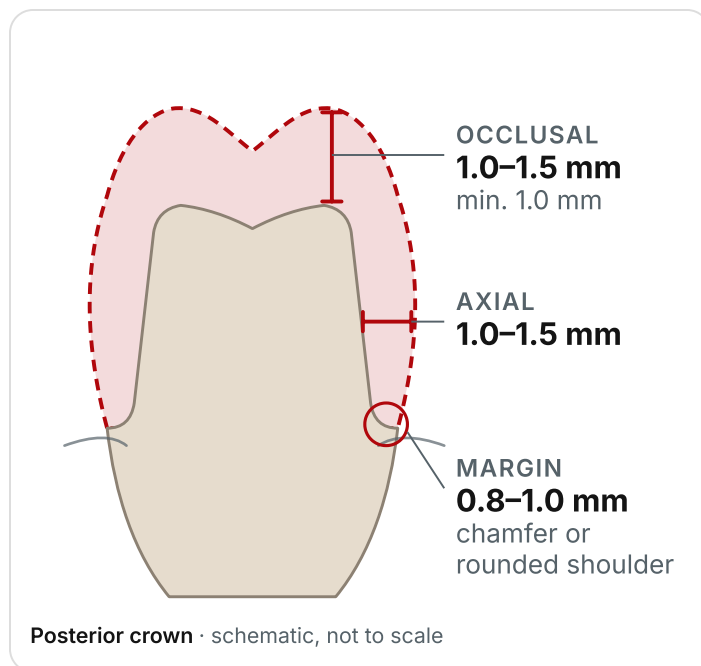


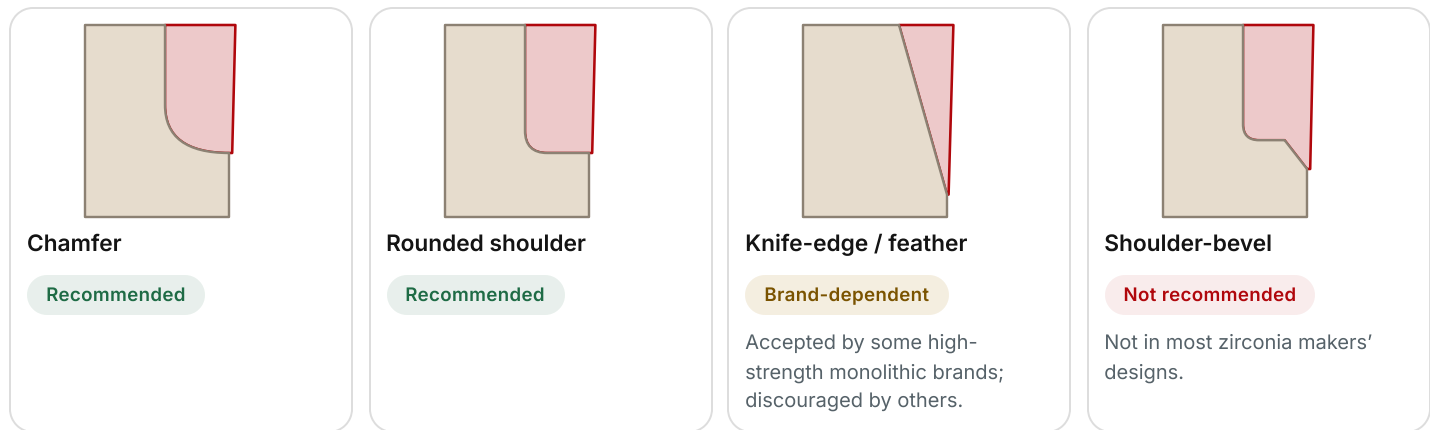
Zirconia Prep Guide

Monolithic and multilayer zirconia, including Zerapure™. Give the material its minimum thickness, keep every edge rounded and finish on a clear chamfer or rounded shoulder.

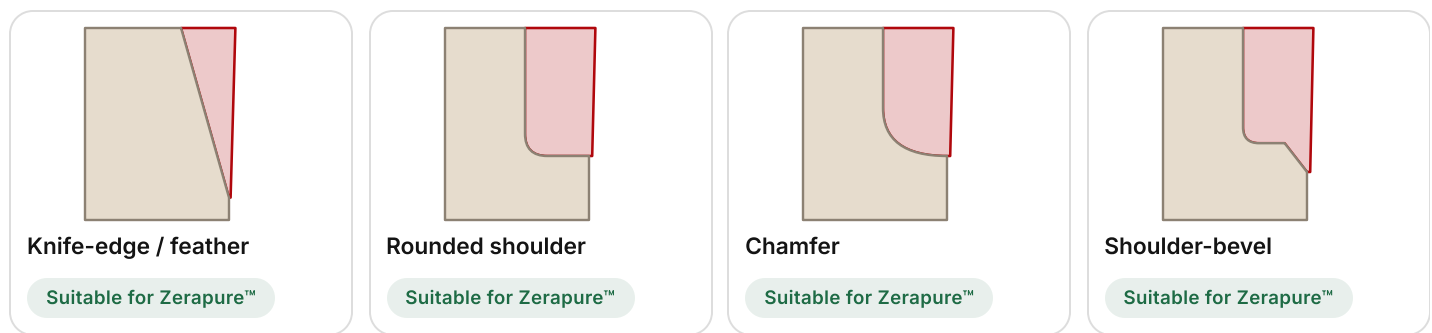


AREA	ANTERIOR	POSTERIOR
Incisal / occlusal reduction	1.0–1.5 mm (min. 0.8 mm)	1.0–1.5 mm (min. 1.0 mm)
Axial reduction	0.8–1.0 mm	1.0–1.5 mm
Margin	Chamfer or rounded shoulder, 0.8–1.0 mm	
Taper	About 4–8° total for conventional or self-adhesive cement	
Prep height	At least 4 mm for conventional cementation	
Edges	Rounded line angles; no sharp edges (edge radius over 0.4 mm)	
Layered zirconia	Add about 1–2 mm for the porcelain layer	
Bridges	No fixed span or connector numbers: design is case-specific. Send the scan for a design review before you prep.	

Margin design

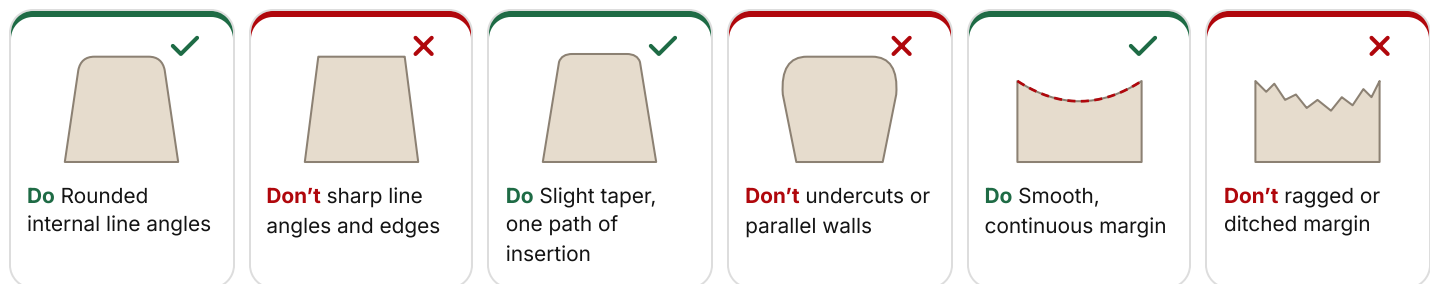


Zerapure™ margins



Zerapure™, our multilayered esthetic zirconia, suits knife-edge, shoulder, chamfer or shoulder-bevel preps; its strong cervical layer tolerates non-ideal preps. For reduction, follow the multilayer zirconia figures above.

Do & don't



Where sources differ

- Minimums depend on the disc. High-strength (3Y) monolithic brands allow as little as 0.5 mm occlusal where space is limited; translucent (4Y/5Y) and multilayer zirconia needs 0.8 mm anterior and 1.0 mm posterior or more.
- Feather or knife-edge margins are accepted by some high-strength monolithic brands, "with caution" by others, and discouraged for translucent zirconia.
- Taper: about 4–8° is the most common recommendation; one maker allows 5–15°.

Based on: Ivoclar IPS e.max ZirCAD (Prime, MO/MT), Kuraray Noritake KATANA, 3M Lava Plus, Glidewell BruxZir.

General guidelines based on published manufacturer recommendations; contact Advanced Dental Laboratory for case-specific questions.

Questions before you prep? Send the scan for a design review: info@adlly.com · 212.889.8812 · adlly.com/send-a-case/