

Recommended CAD parameters.

In the context of internal testing, Cendres+Métaux has established the following values for the internal fit/die parameters. The values have been established exclusively using the scanners and software available at Cendres+Métaux and serve as guide values. Subject to technical changes.

Parameter 3Shape Scanner and CAD-Software

Zirkonia	
Cement GAP:	0.05–0.07 mm
Edge/Boarder thickness:	0.15–2.0 mm
Thickness:	0.5 mm
Drill radius:	1.1 mm
Pekkton®	
Cement GAP:	0.010 mm
Extra Cement GAP:	0.035 mm
Margin line offset (Edge/Boarder thickness):	0.15
Thickness:	0.6 mm
Drill radius:	1.1 mm
Drill compensation:	yes
Distance to margin line:	1.5 mm
Smooth:	0.2
Remove undercuts:	yes
Offset angle:	72°
CoCr / precious metal	
Cement GAP:	0.08 mm
Edge/Boarder thickness:	0.1 mm
Thickness:	0.4 mm
Drill radius:	1.1 mm
Titan	
Cement GAP:	0.07 mm
Edge/Boarder thickness:	0.1 mm
Thickness:	0.4 mm
Drill radius:	1.1 mm

Parameter Imetric Scanner (with Exocad CAD-Software)

Zirkonia	■ Posterior teeth	▲ Anterior teeth
Cement GAP:	0.05–0.07 mm	0.05–0.07 mm
Edge/Boarder thickness:	0.15–2.0 mm	0.15–2.0 mm
Thickness:	0.5 mm	0.5 mm
Drill radius:	1.1 mm	1.1 mm
Pekkton®		
Cement GAP:	0.03–0.06 mm	0.02 mm
Start Cement GAP:	1.5 mm	max. (3 mm)
Occlusal Cement GAP:	0.05 mm	0.02 mm
XY (Vertical) Cement GAP:	0.075 mm	0.00 mm
Edge/Boarder thickness:	0.15–0.2 mm	0.15–0.2 mm
Thickness:	0.6 mm	0.6 mm
Drill radius:	1.1 mm	1.1 mm
CoCr / precious metal		
Cement GAP:	0.08 mm	0.08 mm
Edge/Boarder thickness:	0.1 mm	0.1 mm
Thickness:	0.4 mm	0.4 mm
Drill radius:	1.1 mm	1.1 mm
Titan		
Cement GAP:	0.07 mm	0.07 mm
Edge/Boarder thickness:	0.1 mm	0.1 mm
Thickness:	0.4 mm	0.4 mm
Drill radius:	1.1 mm	1.1 mm