

NEODIAMOND® PREPARATION GUIDE

Recommended NEODIAMOND® shapes for today's popular esthetic procedures using the latest technologies and materials.

Veneer Preparations

Prepare and finish repeatable, predictable esthetic laminate veneers. Using selected NEODIAMOND® shapes, clinicians are provided an excellent method of consistently following fundamental preparation protocols for adequate space and proper marginal placement for quality restorations.

NEODIAMONDS® Recommended For VENEER Preparations

Diamond #	6005M	7005M	7003M	1116.10C	1114.10C	1416F	1923C	3310.3VF	3314.8VF	3923VF
ISO Reference FG	828-026	834-021	834-016	850-016	850-014	392-016	368-023	858-008	858-014	368-023
Head Size / Lgth / Tip Dia.	0.5 depth	0.5 depth	0.3 depth	1.6 / 10 / 1.1	1.4 / 10 / 0.9	1.6 / 5	2.3 / 5.2	0.8 / 3	1.4 / 8	2.3 / 5.2

CEREC® Preparations

Produce simple, consistent tooth preparations that conform to specific guidelines of the CEREC® CAD/CAM system, using selected NEODIAMOND® shapes. Create proper anatomical occlusal morphology—essential for excellent CEREC® restorations using selected finishing shapes.

NEODIAMONDS® Recommended For CEREC® Preparations

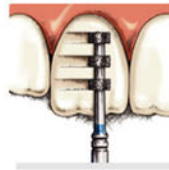
Diamond #	0316.4C	0318.5C	0716.8C	1116.8C	1920C	1314.8F	1512.8F	1920F
ISO Reference FG	807-016	807-018	837-016	856-016	368-020	858-014	862-012	368-020
Head Size / Lgth / Tip Dia.	1.6 / 4.0	1.8 / 5.0	1.6 / 8 / 1.6	1.6 / 8 / 1.1	2.0 / 5	1.4 / 8	1.2 / 8	2.0 / 5

PROCERA® Preparations

Perform axial gross reduction and marginal preparation with the desired chamfer finish for Procera all ceramic crowns using selected NEODIAMOND® Pointed Taper (Modified Chamfer) shapes. Also, contour the occlusal surface of posterior teeth and lingual surface of anterior teeth using a NEODIAMOND® football shape.

NEODIAMONDS® Recommended For PROCERA® Preparations

Diamond #	1714.8C	1716.8C	1718.8C	1721.8C	1923C
ISO Reference FG	878K-014	878K-016	878K-018	878K-021	368-023
Head Size / Lgth / Tip Dia.	1.4 / 8 / 1.0	1.6 / 8 / 1.2	1.8 / 8 / 1.4	2.1 / 8 / 1.6	2.3 / 5.2



Recommended NEODIAMOND® shapes for crown & bridge preparations using today's modern restorative materials

Chamfer Preparations

Chamfers are the preferred preparation for Porcelain Fused to Metal (PFM) crowns. Restorative material brands include Captek®, In-Ceram® and Wol-Ceram®.



Diamond #	1314.8C	1900C	1116.8C	1116.8F
ISO Reference FG	858-014	379-023	856-016	856-016
Head Size / Lgth / Tip Dia.	1.4 / 8	2.3 / 4.2	1.6 / 8 / 1.1	1.6 / 8 / 1.1

Modified Chamfer Preparations

Modified Chamfers are the preferred preparation for CAD/CAM alumina based crowns. Restorative material brands include Procera® and Sirona Cerec inLab®.



Diamond #	1314.8C	1900C	1716.8C	1716.8F
ISO Reference FG	858-014	379-023	878K-016	878K-016
Head Size / Lgth / Tip Dia.	1.4 / 8	2.3 / 4.2	1.6 / 8 / 1.2	1.6 / 8 / 1.2

Shoulder Preparations

Shoulders are the preferred preparation for full porcelain crowns. A flat-end taper diamond creates a shoulder with a sharp internal angle. This finish line can be modified to a chamfer or bevel, or it can be refined with our end-cutting diamonds.



Diamond #	1314.8C	1900C	0916.8C	0916.8F
ISO Reference FG	858-014	379-023	847-016	847-016
Head Size / Lgth / Tip Dia.	1.4 / 8	2.3 / 4.2	1.6 / 8 / 1.2	1.6 / 8 / 1.2

Modified Shoulder Preparations

Modified shoulders, with a rounded internal angle, are the preferred preparations for the following types of full coverage crowns and bridges:



Diamond #	1314.8C	1900C	0816.8C	0816.8F
ISO Reference FG	858-014	379-023	847KR-016	847KR-016
Head Size / Lgth / Tip Dia.	1.4 / 8	2.3 / 4.2	1.6 / 8 / 1.1	1.6 / 8 / 1.1

- 1) Pressable ceramic (IPS Eris®, IPS Empress®, OPC®, Finesse®, All-Ceramic®, Authentic®)
- 2) Zirconia-based (Cercon®, Lava®, Everst®, DCS Smart Fit®)
- 3) Fiber-reinforced or composite-based (Belleglass HP®, Sculpture/FibreKor®, ArtGlass®, Targis/Vectris®)

MICROCOPY
INNOVATIONS FOR DENTISTRY
www.neodiamond.com
1-800-235-1863