

## /Nspire HS



The **INspire™ High-Strength** zirconia from R-Dent utilizes innovative and highly specified material to ensure exceptional strength for every restoration. It is indicated for single units up to 6-unit posterior bridges. With a flexural strength of up to 1150 MPa, this zirconia is an ideal option for cases requiring additional durability, including those for the molar region. Never to sacrifice on esthetics, this zirconia is highly translucent, pre-stained, and can match all 16 VITA® Classical Shades.

### Indications

Inspire HS can be used for any C & B or screw-retained implant case when anterior or posterior crowns and long-span bridges are prescribed. Also it can be used as an esthetic alternative to a PFM with metal occlusion due to limited occlusal or lingual space.

### Contraindications

When esthetic expectations are high and it is important that the restorations match surrounding natural dentition or other existing restorations. If bonding is necessary to retain the restoration, bond strength is weaker and less predictable than other ceramics.

### Prep Guides

Shoulder preparation not needed. A mild chamfer or a feather-edge margin is good. 1mm buccal, lingual, and occlusal reduction is ideal, but can go to .5mm in some areas when reduction is limited. Minimum occlusal reduction of 0.5 mm; 1 mm is ideal. Adjustments and polishing: Adjust full-contour zirconia crowns and bridges using water and air spray to keep the restoration cool and to avoid microfractures with a fine grit diamond. If using air only, use the lightest touch possible when making adjustments. A football-shaped bur is the most effective for occlusal and lingual surfaces (on anterior teeth); a tapered bur is the ideal choice for buccal and lingual surfaces. Polish full-contour zirconia restorations with the porcelain polishing system of your choice.

### Cementation

Full-contour zirconia may be cemented using a resin reinforced glass ionomer such as RelyX Luting cement. When a greater bond is needed do to the lack of a retentive preparation, use resin cement like RelyX Unicam or RelyX Ultimate. Before cementing all full-contour zirconia crowns, the interior surface of the crown needs to be cleaned with Ivoclean (Ivoclar Vivadent - Amherst, NY). This is critical in assuring maximum bond strength.