**THE WAY it FiTS together IS WHAT SETS IT APART**

**SPLINE FIT**

**1. PRECISE FIT**
- Designed to maintain interface fidelity and resist screw loosening\(^1\)
- External connection helps to provide tactile feedback when implant-abutment engagement is achieved\(^1\)

**2. ENSURES ROTATIONAL STABILITY**
- Interdigitating projections and slots

**3. SURFACE EXCELLENCE**
- **MP-1**\(^\circledR\) Hydroxylapatite (HA) Coating
- High crystalline content (96.6%) and low amorphous calcium phosphate content help to maintain coating integrity in vivo\(^2\)
Clinical Results

- In a 5-year prospective clinical study, Spline Twist dental implants achieved cumulative survival rates of 97%3.
- Research has shown that the Spline Implant interface helps to resist screw loosening by minimizing abutment rotational micromovements under controlled load conditions4.

Self-Tapping Placement‡ An Additional Benefit of Standard- and Wide-Diameter Spline Twist Implants

- Designed with self-tapping spiral flutes the 3.75mm and 5.0mm diameters are engineered to direct bone chips away from the apical cutting threads of the implant.
- Designed to reduce the risk of stripping or deforming the antirotational mechanism while maintaining efficient, self-tapping by the implant threads.

The MP-1 HA Coating Advantage

- High degree of in vivo bone-to-implant contact5,6 and clinical success rates3,7.
- Higher osseoconductive capacity in native bone after early loading compared to acid-etched surface6.
- In a retrospective, multi-center clinical study7 cumulative 5-year survival rate was 99.3% for nearly 4,000 Zimmer Dental Spline Implants with MP-1 HA Coating.

(individual results may vary).

References:


*Excludes the 3.25mm implant line.

To learn more about the Spline Twist Implant product, please visit us online at www.zimmerdental.com, or to speak to a sales representative, call (1 800) 854 7019.