

## Vitallium

**Vitallium** Partial Denture Alloys are premium, no beryllium, no nickel, cobalt-chromium alloys manufactured using state-of-the-art continuous cast technology.

Vitallium Partial Denture Alloys and related processing material have an established record of excellent performance. Vitallium Partial Denture Alloys and related processing material are designed to achieve the optimum in function and esthetics in removable partial dentures. Strict adherence to the Vitallium processing technique is the key to a successful Vitallium partial denture.

Vitallium is the registered trademark for the brand of cobalt-chromium alloy manufactured, tested and supplied by DENTSPLY. Vitallium Alloy is available only to licensed Vitallium Trademark laboratories, universities and government institutions.

### **Vitallium® 2000 Plus**

Vitallium 2000 Plus is the new standard for premium chrome cobalt alloys. This alloy provides physical and mechanical properties never before attainable in chrome cobalt alloys.

Vitallium 2000 Plus has a higher yield and tensile strength and it also has increased flexibility without deformation or fracture, allowing for excellent adjustability. It also has an elongation over twice that of regular Vitallium. When partnered with Eclipse® saddle resin you can offer the Perfect Partial Denture.

**Composition:** Cobalt 63.4%, Chromium 29.0%, Molybdenum 5.2%

<b>Item #</b>	<b>Description</b>
N001930	Vitallium 2000 Plus Alloy – 500 grams

### **Vitallium® 2000 Alloy**

Vitallium 2000 has been designed to maintain the legendary strength of Vitallium while improving virtually all of its working characteristics. Vitallium 2000's tensile strength of over 855 MPa's makes it extremely fracture resistant and with an elongation of 6.9% the partials adjust like gold. The lower Vicker Hardness minimizes abrasion on opposing dentition. Coupled with a yield strength of over 600 Mpa's, Vitallium 2000 resists permanent deformation. These improved physical properties provide a partial denture of extraordinary strength, superior fracture resistance and smaller, lighter design applications.

**Composition:** Cobalt 63.1%, Chromium 28.5%, Molybdenum 6.0%