

## MRI Safety Information



MR Conditional

*“Non-clinical testing has demonstrated the “Dental Implants CAMLOG<sup>®</sup>, CONELOG<sup>®</sup> and iSy<sup>®</sup>” are MR conditional.”*

A patient with this device can be safely scanned in an MR system meeting the following conditions:

- Static magnetic field of 3 Tesla and 1.5 Tesla, **with**
- Maximum spatial field gradient of 25,700 G/cm (257 T/m)
- **Maximum force product of 438,000,000 G<sup>2</sup>/cm (438 T<sup>2</sup>/m)**
- **Theoretically estimated** maximum head averaged (HA) specific absorption rate (SAR) of < 3.2 W/kg (Normal Operating Mode)

Under the scan conditions defined above, the worst case product (SCREW-LINE Implant with Telescope abutment) is expected to produce a maximum temperature rise of less than:

**3.5°C (3.2 W/kg, 1.5 Tesla) RF-related temperature increase with a background temperature increase of ≈ 2.4°C (3.2 W/kg, 1.5 Tesla)**

**2.4°C (3.2 W/kg, 3 Tesla) RF-related temperature increase with a background temperature increase of ≈ 1.4°C (3.2 W/kg, 3 Tesla)**

after 15 minutes of continuous scanning.

In non-clinical testing, the image artifact caused by the device extends approximately 23.3 mm from the SCREW-LINE Implant with Telescope abutment when imaged with a gradient echo pulse sequence and a 3 Tesla MR system.