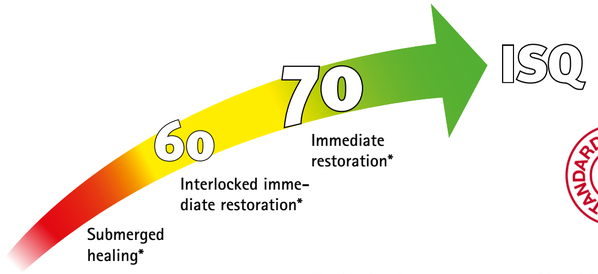
*Sennerby L Prof., Implantologie [Implantology] 2013; 21(1): 21-23



The ISQ value of 1–99 is a measurement of the stability of the implant – the higher the value, the more stable the implant. If the value is 70 ISQ or above, immediate restoration is possible. In the event of values between 55 and 70, we recommend interlocked immediate restoration. If the value is below 55 ISQ, the implant must undergo submerged healing. The bredent Penguin^{RFA} measures the ISQ value to an accuracy of +/- 1 ISQ unit.

Testimonial

Prof. Dr. José Eduardo Maté Sánchez de Val. PhD, MSc, DDS.

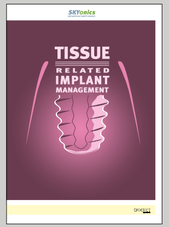
"In my opinion, the device should be used as standard, as it represents a safe and predictable solution for the user. In my scientific and clinical experience, the ISQ value is the most reliable value for determining the stability of implants. As a rule, I carry out immediate restoration of my implants with an ISQ value of 65 or above."

Literature

Worldwide, more than 700 articles have been published in peer-reviewed journals on the subject of implant stability since 1996.
We particularly recommend the publication by Professor Lars Sennerby (Resonance Frequency Analysis for Implant Stability Measurements, INTEGRATION DIAGNOSTICS UPDATE 2015;1:1-11).
www.bredentgroup.net\penguin-de

bredent Penguin^{RFA}

REF 000244GB



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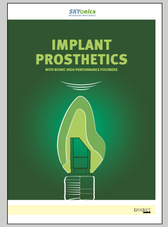

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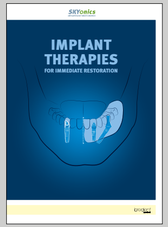

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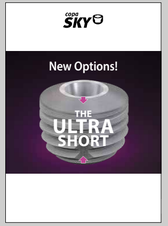

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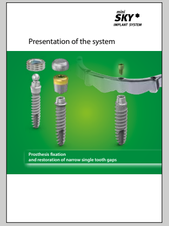

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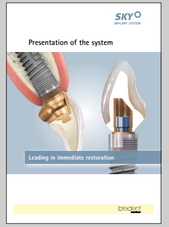

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- ✓ *non-invasive*
- ✓ *objective*
- ✓ *reproducible*
- ✓ *precise*

Measuring device for implant stability

009936GB-20180318

DENTAL INNOVATIONS
SINCE 1974

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DENTAL INNOVATIONS
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Suitable for immediate restoration?

The question of whether the fitted implant is suitable for immediate restoration often represents a challenge for the treating dentist. The torque in Ncm is used as standard when inserting the implant. The bredent Penguin[RFA] is the ideal solution as a supplement to the ratchet.

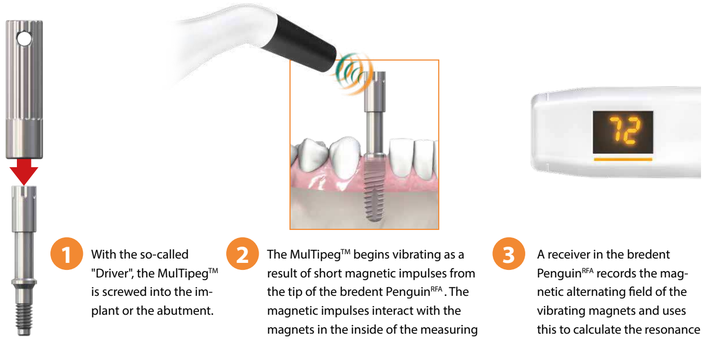
The bredent Penguin[RFA] is a device used to measure the stability of implants using the resonance frequency analysis (RFA). A small, magnetic measuring pin, the MulTipeg[TM], is screwed into the implant or the abutment for this purpose and begins to vibrate without touching it. The value measured is shown as the "Implant Stability Quotient" (ISQ) and provides information regarding the appropriate treatment of the implant.

The solution: the bredent Penguin[RFA]

Benefits of the bredent Penguin[RFA]

- **Mobility**
  The wireless bredent Penguin[RFA] offers all of the freedom of mobile work. Additional patient situations can be easily checked in other treatment rooms without being restricted to the surgery unit.
- **Process security**
  The bredent Penguin[RFA] makes it possible to carry out predictable treatment, most notably in risk patients. The diagnosis device can be used to avoid complications, carry out immediate loading and reduce unnecessary costs and treatment times. As a result, process security is increased and the risk to patients is reduced.
- **Economical accessories**
  The magnetic MulTipeg[TM] is biocompatible, can be activated without touching it and can be sterilised up to 20 times. This means that high volumes of stock can be reduced to a minimum. This saves costs and reduces the amount of administration work.

The measurement method

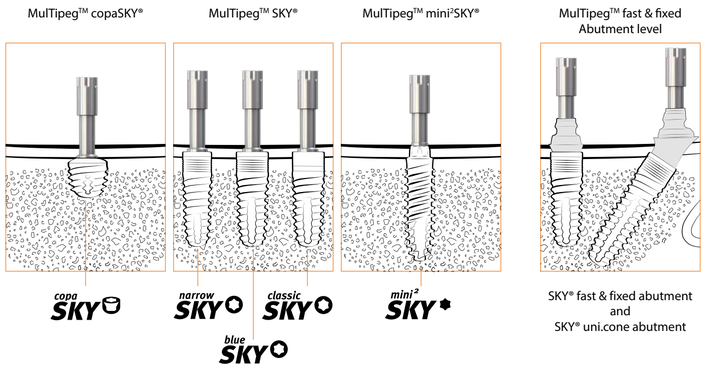


1. With the so-called "Driver", the MulTipeg[TM] is screwed into the implant or the abutment.
2. The MulTipeg[TM] begins vibrating as a result of short magnetic impulses from the tip of the bredent Penguin[RFA]. The magnetic impulses interact with the magnets in the inside of the measuring pin.
3. A receiver in the bredent Penguin[RFA] records the magnetic alternating field of the vibrating magnets and uses this to calculate the resonance frequency and the resulting ISQ value. This value is shown on the bilateral displays after a few seconds.

MulTipeg[TM]

The MulTipeg[TM] is available in four different sizes and makes it possible to measure primary stability in virtually all SKY® implant system implants.

New!



System overview bredent Penguin[RFA]

Instrument Kit

Penguin[RFA] Instrument Kit
REF 580PENGU

bredent Penguin[RFA]

MulTipeg[TM] Driver
REF 580MPDR1

Charging cable

MulTipegs[TM]

MulTipeg[TM] SKY®
blueSKY®, narrowSKY®, SKY®classic
REF 580MPSKY

MulTipeg[TM] mini²SKY®
REF 580MPMI2

MulTipeg[TM] copaSKY®
REF 580MPCOP

MulTipeg[TM] fast & fixed Abutment level
REF 580MPFFA

Sterile cover

Penguin[RFA] Cover
1 set (20 pieces)
REF 580PENGC

Ordering service

Online order form	order.bredent-medical.com
Telephone	+49 7309 872-211
Fax order	+49 7309 872-24

Technical data	
Electricity supply	5 V, 1 A
Charger input	100 - 240 V, 5A
Weight of the bredent Penguin[RFA]	100 g
The bredent Penguin[RFA]	is intended for long-term operation
The bredent Penguin[RFA]	contains NiMH batteries