



Smileloc®

THE COMPREHENSIVE GUIDE

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D • E • N • T • A • L

MASTERS™

L A B O R A T O R Y

INDEX

Page 2	About Smileloc®
Page 2	The Smilekey®
Page 3	Your Smileloc® Provider
Page 3	Prescribing Smileloc® from Dental Masters
Page 4	Benefits
Page 4	How it Works
Page 5	Alternative Implant Solutions
Page 6	Healing Abutment Selection Guidelines
Page 7.....	Healing Abutment Selection Guidelines Cont.
Page 8	Healing Abutment Selection Guidelines Cont.
Page 9	Pricing & Required Instruments



ABOUT SMILELOC®

The Smileloc® Abutment System from RODO Medical, Inc., is an innovative cement- and screw-less retentive solution for single-unit to full-arch restorations. The RODO Abutment System is approved by the FDA and the device was first placed in patients in August 2011, at UCLA. It allows for a safer, faster, and less expensive implant restoration. The abutment system was developed by a group of engineers in Silicon Valley and prosthodontists at UCLA. It is comprised of the following three components: titanium abutment, titanium coping, and Smileloc®. The Smileloc® is made from nitinol, a reshapable, and easily adjustable alloy. With its shape memory characteristics, this product allows for an entirely new retention option that completely eliminates the common complications associated with older alternatives. Smileloc® is currently compatible with Nobel Biocare®, Straumann®, and Neodent® implant systems. Additional compatibility with other implant systems is expected in 2019.



SEE SMILELOC® IN ACTION!
VISIT WWW.DENTALMASTERS.COM/SMILELOC
TO SEE VIDEOS OF SMILELOC® IN USE.



The Smilekey®

The Smilekey® was approved by the FDA and used to detach a Smileloc®-retained dental prosthesis. It can remove single-unit to full-arch prostheses in less than 10 seconds. This innovative tool is the basis for all of Smileloc®'s benefits as it does not require occlusal holes, damage to the restoration, or require a lengthy amount of time. The Smilekey® allows for speedy maintenance and replacement of the prosthesis.

The Smilekey is available for loan from Dental Masters for initial cases, or for purchase from RODO Medical.



“RODO Smileloc is going to be the next revolutionary implant technology; the ability to attach and remove your implant crowns or prosthetics anytime you want with ease. Just think about your workflow efficiency & long-term health benefits for the patients.”

Dr. Leo Yang, DDS
Mill Valley Smiles

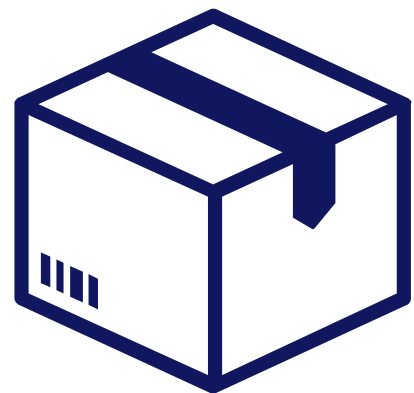
DENTAL MASTERS: YOUR SMILELOC® PROVIDER

Dental Masters has been providing superior dental lab services to practices nationwide for over 65 years. The foundation of our success is based on honesty, personal responsibility, and a focus on serving people well. As your laboratory partner, we believe it is our job to provide you with foundational and revolutionary information about every aspect of the dental industry, which is why we have created this informational Smileloc® eBook. This alternative to traditional implant solutions is an innovative step forward for dental implantology. We believe this abutment system can make a great difference in the satisfaction of your patients and the longevity of your implant restorations. As a Smileloc® provider, it is our goal to help you remain informed, so you can prescribe the implant solution that will provide the most benefits to your patient.

**VISIT *DENTALMASTERS.COM/SEND-A-CASE*
TO GET STARTED TODAY!**

Prescribing Smileloc® from Dental Masters

We want to ensure that prescribing Smileloc® is stress-free and one of the easiest parts of your workday. We have streamlined our case submission process online, making it fast and simple. On our website you can print Rx forms, view our digital protocols, schedule a local pickup, or print a complimentary UPS shipping label.



“This innovative, cement-free retention system brings a totally new dimension to implant dentistry.”

Hans-Peter Weber, DMD

Professor and Past Chairman, Tufts University Department of Prosthodontics

Past President, Academy of Prosthodontics

SMILELOC® BENEFITS

SMILELOC® IMPLANT PACKAGES

Smileloc® technology brings *innovative cement and screw-free restorations* to implant dentistry. Using Smileloc®, clinicians have predictable control over occlusion and retrievability of the restoration while eliminating the screw access hole and the potential for residual cement. Price includes: model work with soft tissue, analog, labor, all Smileloc® parts and crown.

e.max®	\$595
ZirTek® Premium	\$595
ZirTek® Ultra	\$615
PressTek® PFM (Plus Alloy)	\$695
Full Cast Gold (Plus Alloy)	\$695

Smileloc® is compatible with Nobel Biocare®, Straumann®, and Neodent® implant systems.



Smileloc® Benefits

- Compatible with Nobel Biocare®, Straumann®, and Neodent® implant systems
- Cement- and Screw-less system
- Easily removable in less than 10 seconds with Smilekey®
- Predictable control of occlusion
- Reduced chairtime
- Increased esthetics

How It Works

1. Insert RODO Abutment

Compatible with major implant systems

2. Try-In Crown

Confirm color, contours, emergence profile, interproximal contacts, and occlusion

3. Add Smileloc®

Inner Smileloc® arms engage the abutment

4. Seat the Crown

Outer Smileloc® arms engage inside of coping, locking crown onto abutment



"This innovation sets a new standard of care in implant dentistry"

Ben Wu, DDS, PhD

Professor and Chairman, UCLA Division of Advanced Prosthodontics, Director, Weintraub Center for Reconstructive Biotechnology, Past Chairman, UCLA Department of Bioengineering

ALTERNATIVE IMPLANT SOLUTIONS

Traditional methods of affixing crowns to abutments have worked for years. However, both screw- and cement-retained options are plagued with issues that can seriously impede a patient's long-term oral health and restorative integrity.

Cement-Retained

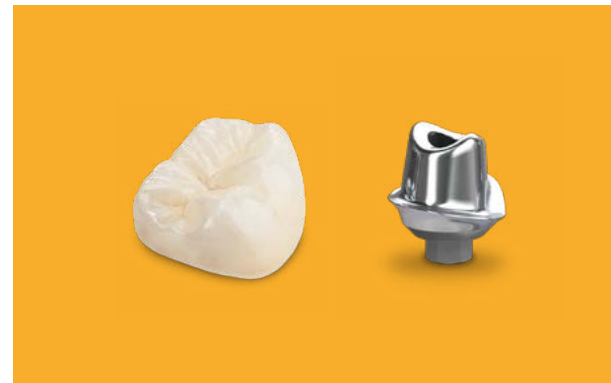
Cement-retained crowns are the most commonly used implant solution. They function by cementing the crown to an implant abutment after the abutment has been placed in the mouth. The main disadvantage of cement-retained crowns is the excess cement that is leftover after the restoration has been placed. One way to limit the chances of excess cement is by using less to adhere the crown. One study done showed that many clinicians use as much as 20% more cement than necessary when placing crowns. However, this minimal use of cement cannot eliminate this risk entirely and excess cement left below the margin can result in serious oral health issues, such as peri-implant mucositis and peri-implantitis.

Advantages

- Effective despite an implant's orientation or angulation
- Provides enhanced esthetics

Disadvantages

- Unreliable retention
- Difficult to remove
- Complications caused by excess cement



Screw-Retained

Screw-retained crowns are viewed to be the solution to the complications that arise from using cement. The crown is sent from the laboratory fully prepped to be screwed onto a patient's implant. The biggest issue that arises from using screw-retained crowns is their esthetic complications, such as the presence of the screw-access hole and the noticeability of the screw and abutment beneath an all-ceramic restoration.

Advantages

- Reliable retention
- Easily removed or retightened for maintenance
- No risk of residual cement

Disadvantages

- Dependent on implant orientation and angulation
- Unesthetic
- Potential loosening of screw through everyday activities










HEALING ABUTMENT SELECTION GUIDELINES

Compatibility with Straumann BL RC Healing Abutments









Rodo Abutment & Ti Coping

Implant Healing Abutment

Rodo Abutment for Straumann BL RC		Straumann Implant Healing Abutment
Regular Abutment	Regular Abutment GH 1.0 mm	 Ø6.5 mm x 2 mm REF 024.4242S
	Regular Abutment GH 2.0 mm	 Ø6.5 x 4 mm REF 024.4244S
	Regular Abutment GH 3.0 mm	 Ø6.5 x 6 mm REF 024.4246S
Wide Abutment	Wide Abutment GH 1.0 mm	 Ø6.5 x 2 mm REF 024.4242S
	Wide Abutment GH 2.0 mm	 Ø6.5 x 4 mm REF 024.4244S
	Wide Abutment GH 3.0 mm	 Ø6.5 x 4 mm REF 024.4244S
Any Abutment		 Ø7.0 x 7 mm REF 024.4027S

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RODO Regular Abutment and Straumann BL RC Healing Abutments - Emergence Profile

RODO Regular Abutment 1.0 mm GH (Model 30010STB221)	 <p>With RODO Regular Ti Coping Engaging (Model 6.301)</p> <p>Straumann Healing Abutment 6.5 x 2 mm</p>	 <p>With RODO Regular Ti Coping Engaging - S/Bridge (Models 6.303 & 6.302)</p> <p>Straumann Healing Abutment 6.5 x 2 mm</p>
RODO Regular Abutment 2.0 mm GH (Model 30020STB221)	 <p>With RODO Regular Ti Coping Engaging (Model 6.301)</p> <p>Straumann Healing Abutment 6.5 x 4 mm</p>	 <p>With RODO Regular Ti Coping Engaging - S/Bridge (Models 6.303 & 6.302)</p> <p>Straumann Healing Abutment 6.5 x 4 mm</p>
RODO Regular Abutment 3.0 mm GH (Model 30030STB221)	 <p>With RODO Regular Ti Coping Engaging (Model 6.301)</p> <p>Straumann Healing Abutment 6.5 x 6 mm</p>	 <p>With RODO Regular Ti Coping Engaging - S/Bridge (Models 6.303 & 6.302)</p> <p>Straumann Healing Abutment 6.5 x 6 mm</p>

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HEALING ABUTMENT SELECTION GUIDELINES CONT.

RODO Wide Abutment and Straumann BL RC Healing Abutments - Emergence Profile

RODO Wide Abutment 1.0 mm GH (Model 40010STB221)	<p>With RODO Wide Ti Coping Engaging (Model 6.401)</p> <p>Straumann Healing Abutment 6.5 x 2 mm</p>	<p>With RODO Wide Ti Coping for Bridge (Model 6.402)</p> <p>Straumann Healing Abutment 6.5 x 2 mm</p>
RODO Wide Abutment 2.0 mm GH (Model 40020STB221)	<p>With RODO Wide Ti Coping Engaging (Model 6.401)</p> <p>Straumann Healing Abutment 6.5 x 4 mm</p>	<p>With RODO Wide Ti Coping for Bridge (Model 6.402)</p> <p>Straumann Healing Abutment 6.5 x 4 mm</p>
RODO Wide Abutment 3.0 mm GH (Model 40030STB221)	<p>With RODO Wide Ti Coping Engaging (Model 6.401)</p> <p>Straumann Healing Abutment 6.5 x 4 mm</p>	<p>With RODO Wide Ti Coping for Bridge (Model 6.402)</p> <p>Straumann Healing Abutment 6.5 x 4 mm</p>

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Compatibility with Nobel IC Healing Abutments



Rodo Abutment & Ti Coping

Implant Healing Abutment



Regular Abutment




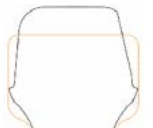




Wide Abutment

Rodo Abutment for Nobel Internal Conical RP		Nobel Implant Healing Abutment
<p>Regular Abutment</p>	Regular Abutment GH 1.0 mm	6.0 x 5 mm REF 36648
	Regular Abutment GH 2.0 mm	6.0 x 5 mm REF 36648
	Regular Abutment GH 3.0 mm	6.0 x 5 mm REF 36648
<p>Wide Abutment</p>	Wide Abutment GH 1.0 mm	Wide Abutment GH 1.0 mm
	Wide Abutment GH 2.0 mm	7 x 8 mm REF 37820
	Wide Abutment GH 3.0 mm	7 x 8 mm REF 37820


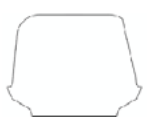




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RODO Regular Abutment and Nobel IC RP Healing Abutments - Emergence Profile

RODO Regular Abutment 1.0 mm GH (Model 30010NBA321)	 <p>With RODO Regular Ti Coping Engaging (Model 6.301)</p> <p>Nobel Healing Abutment 6.0 x 5 mm</p>	 <p>With RODO Regular Ti Coping Engaging - S/Bridge (Models 6.303 & 6.302)</p> <p>Nobel Healing Abutment 6.0 x 5 mm</p>
RODO Regular Abutment 2.0 mm GH (Model 30020NBA321)	 <p>With RODO Regular Ti Coping Engaging (Model 6.301)</p> <p>Nobel Healing Abutment 6.0 x 5 mm</p>	 <p>With RODO Regular Ti Coping Engaging - S/Bridge (Models 6.303 & 6.302)</p> <p>Nobel Healing Abutment 6.0 x 5 mm</p>
RODO Regular Abutment 3.0 mm GH (Model 30030NBA321)	 <p>With RODO Regular Ti Coping Engaging (Model 6.301)</p> <p>Nobel Healing Abutment 6.0 x 5 mm</p>	 <p>With RODO Regular Ti Coping Engaging - S/Bridge (Models 6.303 & 6.302)</p> <p>Nobel Healing Abutment 6.0 x 5 mm</p>

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RODO Wide Abutment and Nobel IC WP Healing Abutments - Emergence Profile

RODO Wide Abutment 1.0 mm GH (Model 40010NBA421)	 <p>With RODO Wide Ti Coping Engaging (Model 6.401)</p> <p>RODO Wide Abutment 1.0 mm GH</p>	 <p>With RODO Wide Ti Coping for Bridge (Model 6.402)</p> <p>RODO Wide Abutment 1.0 mm GH</p>
RODO Wide Abutment 2.0 mm GH (Model 40020NBA421)	 <p>With RODO Wide Ti Coping Engaging (Model 6.401)</p> <p>Nobel Healing Abutment 7.0 x 8 mm</p>	 <p>With RODO Wide Ti Coping for Bridge (Model 6.402)</p> <p>Nobel Healing Abutment 7.0 x 8 mm</p>
RODO Wide Abutment 3.0 mm GH (Model 40030NBA421)	 <p>With RODO Wide Ti Coping Engaging (Model 6.401)</p> <p>Nobel Healing Abutment 7.0 x 8 mm</p>	 <p>With RODO Wide Ti Coping for Bridge (Model 6.402)</p> <p>Nobel Healing Abutment 7.0 x 8 mm</p>

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PRICING & REQUIRED INSTRUMENTS

SMILELOC® IMPLANT PACKAGE PRICING

Smileloc® technology brings *innovative cement and screw-free restorations* to implant dentistry. Using Smileloc®, clinicians have predictable control over occlusion and retrievability of the restoration while eliminating the screw access hole and the potential for residual cement. *Price includes: model work with soft tissue, analog, labor, all Smileloc® parts and crown.*

e.max®	\$595
ZirTek® Premium	\$595
ZirTek® Ultra	\$615
PressTek® PFM (Plus Alloy)	\$695
Full Cast Gold (Plus Alloy)	\$695

Smileloc® is compatible with Nobel Biocare®, Straumann®, and Neodent® implant systems.

Instruments are available for loan from Dental Masters or for purchase from RODO Medical.

Regular Abutment

- RODO Socket Driver
- Regular Smileloc® Seater
- Regular Seal Seater

Wide Abutment

- Torx T6 Driver
- Wide Smileloc® Seater
- Wide Seal Seater

Optional, if Required:
Straumann® Driver Adapter or Nobel Driver Adapter



“This is a disruptive technology that will revolutionize the industry”
John Beumer, DDS, MS
 Professor Emeritus and Past Chairman, UCLA Division of Advanced Prosthodontics