ROOTT

System overview

Viper Edition, 2025

VIPER EDITION

MADE FOR Rootters®

Dear ROOTTERS,

Welcome to the Viper Edition of the ROOTT dental implant system.

In this latest edition, we've streamlined the system to enhance functionality while minimizing component count. We've integrated cutting-edge research to refine our design, ensuring it's safer, more user-friendly, and better suited for the digital demands of today's industry. We trust you'll appreciate the updates and continue to share your invaluable suggestions for ongoing improvements.

Warmest regards,
Siarhei Shulezhka
President

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Established Presence

Celebrating 14 years of excellence in dental innovation

TRUSTED BRAND

Global Trust

Over 2.5 million implants successfully placed worldwide

International Reach

Serving smiles in more than 80 countries across the globe

Diverse Solutions

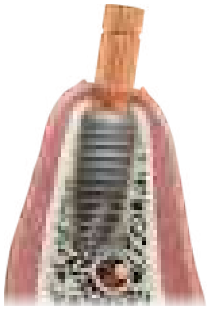
Offering a suite of five distinct implant types, each tailored for specific clinical needs

ROOTT R

Discover the ROOTT R Viper Edition – a Pinnacle of Dental Implant Technology

This state-of-the-art implant system sets a new standard with its unparalleled stability and innovative leak-resistant conical connection. It's designed for versatility, featuring adaptive platform switching and a passive fit connection that excels in scenarios demanding additional load capacity.

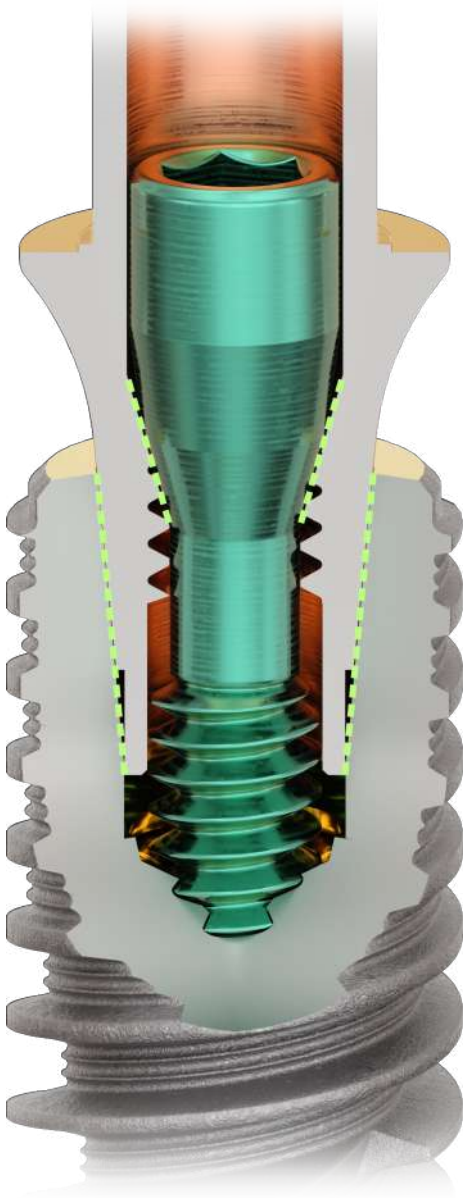
Choose ROOTT R for a future-proof, reliable implant solution



Unrivaled primary stability for a predictable outcome

Precision-engineered conical connection for seamless fit and enhanced durability

Innovative platform switching for optimal tissue preservation and aesthetic results



ROOTT R 5° Taper Connection: Engineered for Excellence

- **Enhanced Stability & Longevity**

Precise 5° conical connection ensures optimal load distribution, secure abutment fit, and minimized micro-movements for long-term implant and bone health.

- **Simplified & Predictable Workflow**

Streamlined design facilitates accurate seating, reduces complexity, and minimizes screw loosening, leading to faster, more predictable restorations.

- **Increased Clinical Confidence & Efficiency**

Reliable biomechanical integrity, reduced inventory, and user-friendly design empower clinicians with greater confidence and simplify training.

One Size Fits All

Unified One prothetic connection for ROOTT R reduces the number of components to a minimum, optimizing the handling and storage requirements in the daily practice.

The Unmatched Convenience of ROOTT R Implants' All-In-One Packaging

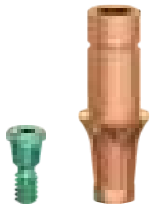
Streamlined Surgery to Prosthetics with Digital Workflow.
This innovative kit includes all vital components from the cover screw to the abutment, eliminating the need for additional purchases.

Each Viper Edition implant comes with

- Cover Screw
- ZeroBoneLoss® abutment
- Fixing Screw for abutment

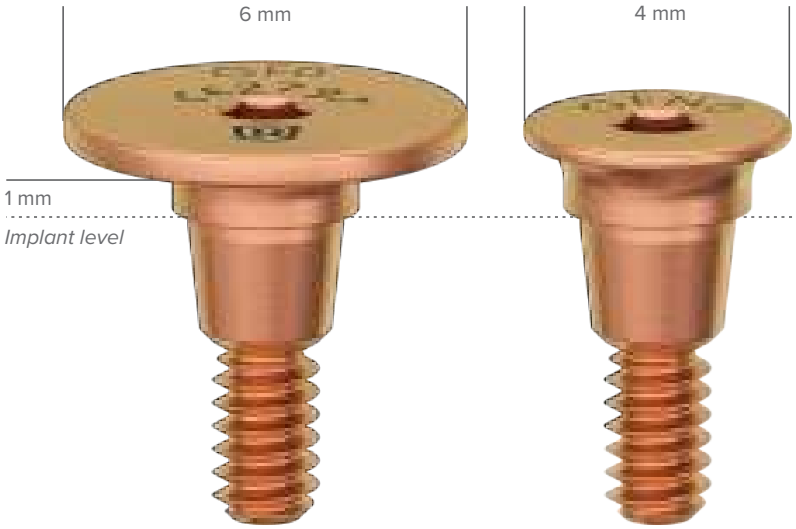
ZBL is available in the digital libraries for fully digital workflow

	6 mm	8 mm	10 mm	12 mm	14 mm	16 mm	18 mm	20 mm
ø 3.0			R3010	R3012	R3014	R3016		
ø 3.5	R3506	R3508	R3510	R3512	R3514	R3516	R3518	R3520
ø 3.8	R3806	R3808	R3810	R3812	R3814	R3816	R3818	R3820
ø 4.2	R4206	R4208	R4210	R4212	R4214	R4216		
ø 4.8	R4806	R4808	R4810	R4812	R4814			
ø 5.5	R5506	R5508	R5510	R5512	R5514			
ø 6.5	R6506	R6508	R6510	R6512				
ø 7.5	R7506	R7508	R7510	R7512				



Get more with every implant!

Enjoy a complimentary Ti-Base & Cover Screw with each implant



REF	GF0	GFN0
H	0	0

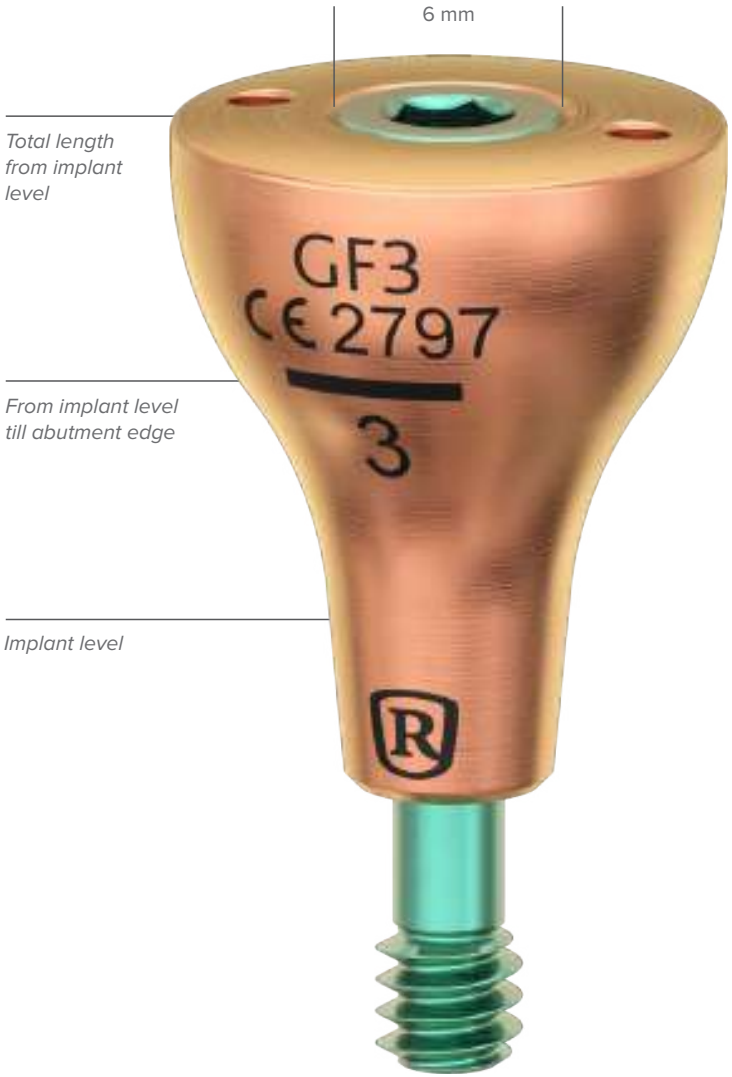
H – Gingiva height, mm

OsseoProtector Healing Abutment: Nurturing Bone Growth and Aesthetics

The OsseoProtector healing abutment fosters bone growth while preventing tissue collapse around dental implants. It maintains crestal bone integrity, supporting long-term stability.

- Promotes Crestal Bone Growth
- Prevents Tissue Collapse
- Enhances Esthetics

Discover the OsseoProtector difference in implant dentistry!



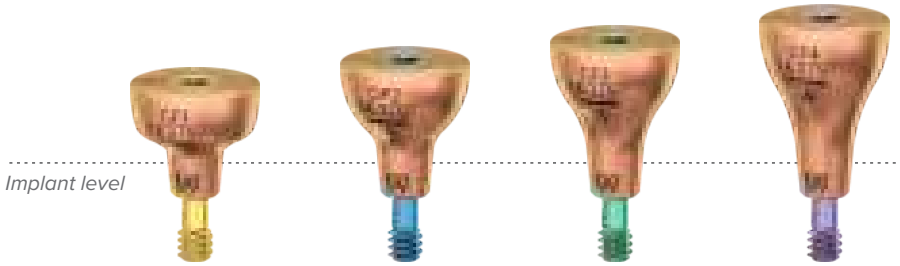
L – Height from implant level, mm
H – Gingiva height, mm

EBC Healing Abutment
Optimal Implant Care

EBC healing abutment offer unique features that contribute to optimal implant outcomes:

- Ergonomic profile: shapes gum contours naturally
- Two-component design: minimizes force transmission
- Easy removal: threaded interior and removal tool
- Seal conical connection: prevents leakage during healing

ROOTT R healing abutments elevate implant care with precision and innovation



REF	GF1	GF2	GF3	GF4
L	3.5	4.5	5.5	6.5
H	1	2	3	4

REF	GFN2	GFN4
L	4.5	6.5
H	2	4

L – Height from implant level, mm
H – Gingiva height, mm

TissueSculpt healing abutment
Comprehensive Tissue Tool

TissueSculpt a slim healing abutment serves as a crucial intermediate step prior to the application of an anatomical healing abutment, which facilitates the creation of space necessary for soft tissue augmentation.

- **Space for Tissue Augmentation**

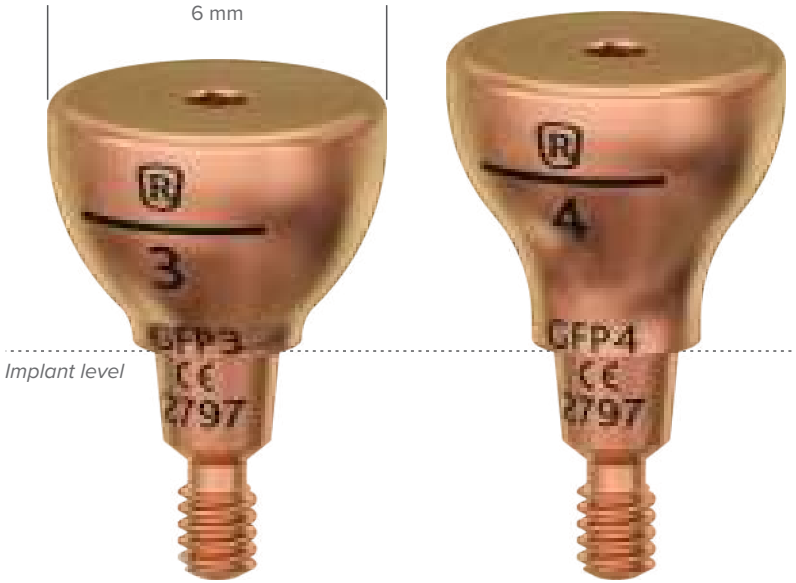
The slim design ensures there is enough space for soft tissue grafts, which is crucial for long-term esthetic and functional success.

- **Enhanced Aesthetics**

TissueSculpt allows for the placement of a thick connective tissue graft in the most coronal position, improving the papillae and the overall esthetic outcome.

- **Long-Term Stability**

The approach aims to prevent hard and soft tissue resorption, ensuring stable clinical results for many years, which is especially important in the esthetic zone.



REF	GFP3	GFP4
L	5.5	6.5
H	3	4

L – Height from implant level, mm
H – Gingiva height, mm

NaturaContour Passive Healing Abutment: Elevating Implant Care

The NaturaContour passive healing abutment is a single-component solution designed for cases where additional load is expected, and passive abutments are preferred.

- **Passive Fit**

The abutment fits externally with a cone-shaped interface, ensuring a passive fit.

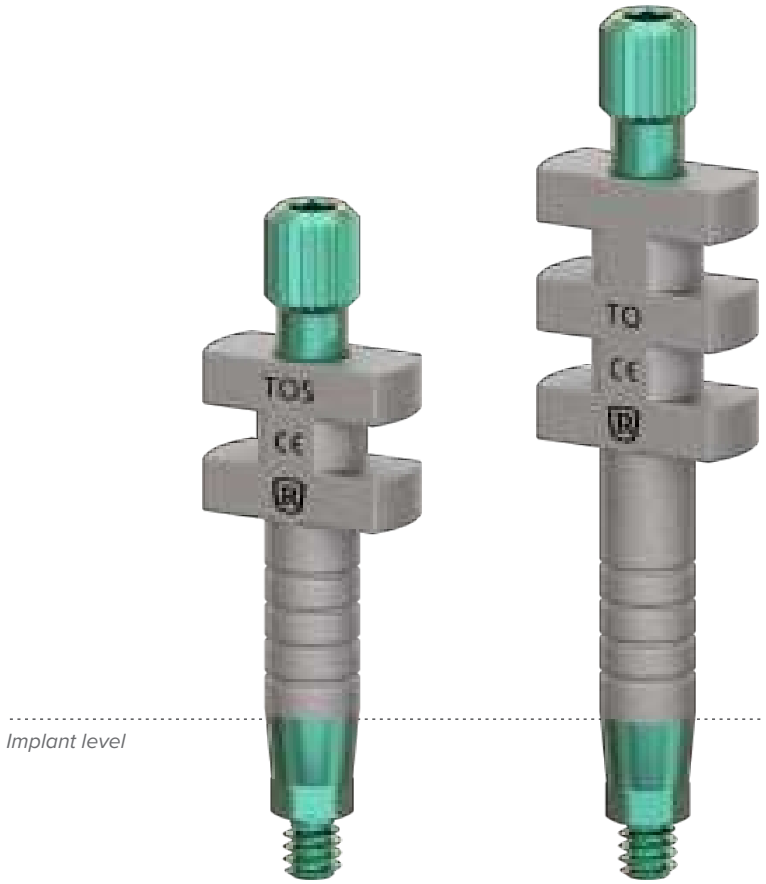
- **Bone Preservation**

By preventing bone growth on the implant shoulder, NaturaContour maintains crestal bone integrity.

- **Ergonomic Profile**

The abutment's natural shape supports gum contouring for optimal esthetics.

Experience precision and innovation in implant care with ROOTT R healing abutments.



REF	TOS	TO
L	10	15

L – Height from implant level, mm

TransferScan – convenience in impression, precision in scanning

The TransferScan offers a unique combination of conventional transfer design with a specially treated surface. Whether used for intraoral scanning or laboratory scanning, it ensures precise data capture.

- **Accurate Scanning**

The TransferScan design allows for precise digital impressions, minimizing distortion and ensuring accurate implant positioning

- **Efficient Workflow**

Whether in the dental office or lab, the TransferScan streamlines the scanning process, saving time and enhancing productivity

- **Compatibility**

It seamlessly integrates with digital workflows, making it suitable for both chairside and laboratory procedures

Discover the TransferScan advantage for reliable implant restorations!

Closed-Tray Impression Post

REF **TC**

REF **TR**
L 15

Implant level

L – Height from implant level, mm

Specifically designed for closed-tray impressions on ROOTT R Implants. Unlike open-tray techniques, closed-tray impressions do not require additional preparation of the impression tray (such as windows or perforations).

- **Snap-and-Go**

The Impression Cap, equipped with a click plastic part, easily snaps into place on the impression post. This secure fit simplifies the impression-taking process and can be used in most cases.

- **Single-Use Assurance**

To ensure optimal fit and precise impressions for each patient, these non-sterile impression posts are intended for single use only. A spare cap is provided in case of immediate retakes.

- Each closed-tray comes with a single-use transfer cap.

Implant level

REF	AN
L	12.5

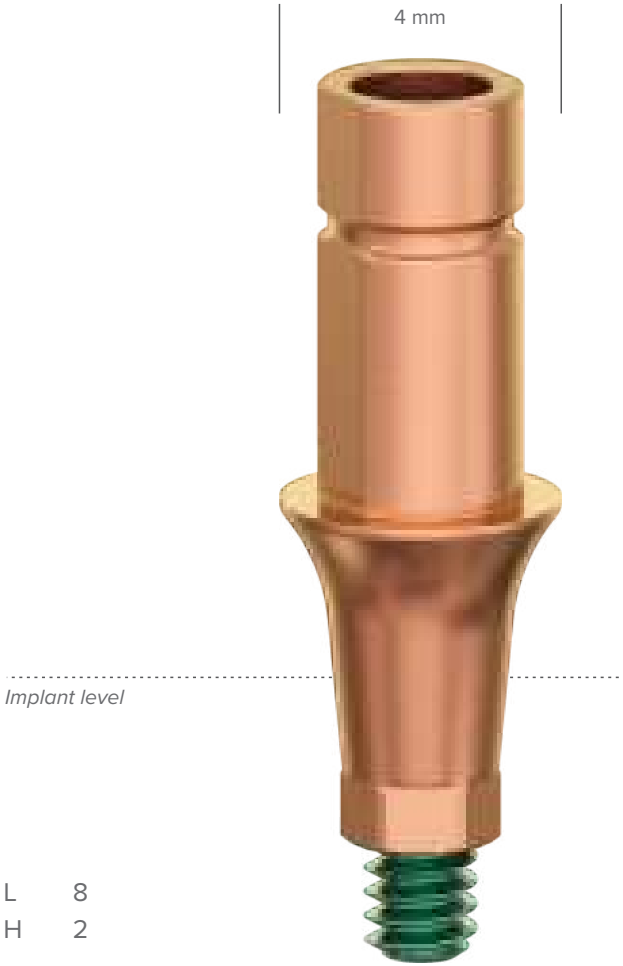
L – Height from implant level, mm

DigiReplica R – Implant Analogue Bridging Precision and Versatility

The DigiReplica R implant analogue, designed as an evolution of the ROOTT R implant system, seamlessly combines two critical components into one. Whether you're working with printed models or following traditional workflows with gypsum casts, the DigiReplica R offers unparalleled benefits.

- Use in digital or traditional workflows
- Tapered shape prevents micromovements
- Bottom screw ensures accuracy
- Reverse Scan Analog facilitates accurate analog model creation from digital scans

DigiReplica R embodies adaptability, precision, and ease of use — a game-changer for implantology



Supplied with screw S8 for clinical use.
Maximum torque – 15 Ncm.

L – Height from implant level, mm
H – Gingiva height, mm

ZeroBoneLoss® abutment ensures the bone level remains unchanged over time and significantly reducing the risk of peri-implantitis

- **Optimized Soft Tissue Integration**

These abutments support a minimum of 2 mm vertical soft tissue thickness, which research shows is necessary to avoid bone loss and promote healthy biological width around the implant.

- **Microgap and Platform Switching Technology**

ZeroBoneLoss® abutments utilize precise implant-abutment 5 degree conical connections and platform switching to control bacterial leakage, minimize micromovement, and prevent crestal bone loss.

- **Evidence-Based Protocols**

ZeroBoneLoss® abutments are backed by clear, research-driven clinical protocols that address both surgical and prosthetic factors, offering predictable and reproducible outcomes for clinicians.

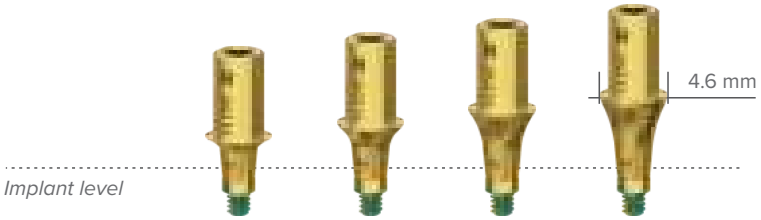
Viper Edition offers complimentary ZBL abutments redefining implant abutments with unprecedented strength, aesthetics, and digital workflow integration

Anatomical Ti-Base abutment

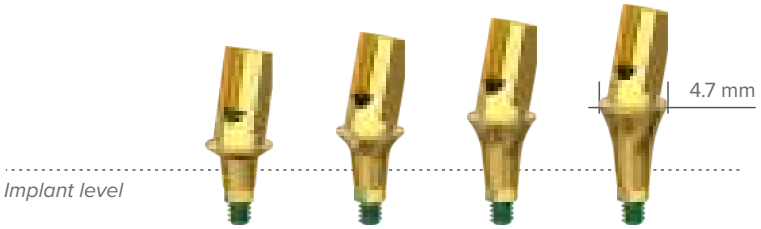
The Viper Edition abutment seamlessly marries anatomical design with cutting-edge titanium-base technology, revolutionizing implant dentistry.

- Anatomically shaped for optimal soft tissue contours and natural aesthetics.
- Prioritizes gingival harmony, even for short gingival heights
- New conical screw design and thicker walls make it stronger
- Versatile workflow with double antirotational cuts and CAD-CAM-friendly shape

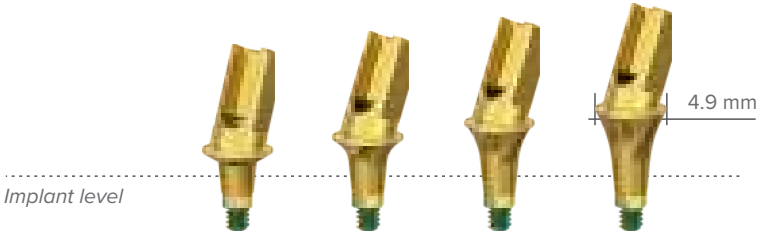
Viper Edition of anatomical abutments is a game-changer — delivering strength, aesthetics, and adaptability in one remarkable package



REF	A1	A2	A3	A4
L	7	8	9	10
H	1	2	3	4
Angle, °	0	0	0	0



REF	A1A15	A2A15	A3A15	A4A15
L	8	9	10	11
H	1	2	3	4
Angle, °	15	15	15	15



REF	A1A25	A2A25	A3A25	A4A25
L	8.5	9	10	11
H	1	2	3	4
Angle, °	25	25	25	25

- **Enhanced Prosthetic Workflow**

Streamlines restorative processes for single to complex cases. Adapts to digital workflow of 3D printing, CAD/CAM as well as traditional workflows.

- **Unlock Restorative Possibilities**

Compatible with diverse materials and indications. Flexibility for bridges and bars with various implant restorative options.

- **Titanium Reliability**

Anodized surface, high-quality, high Strength Grade 23, biocompatible base for lasting restorations.

- **Patient-Focused Solutions**

Custom-designed to meet individual needs.

Achieve Aesthetic & Functional Excellence:
Features for optimized aesthetics and emergence

L – Height from implant level, mm
H – Gingiva height, mm

Titanium Bases (Digital Abutments) – The Foundation for Precision Restorations

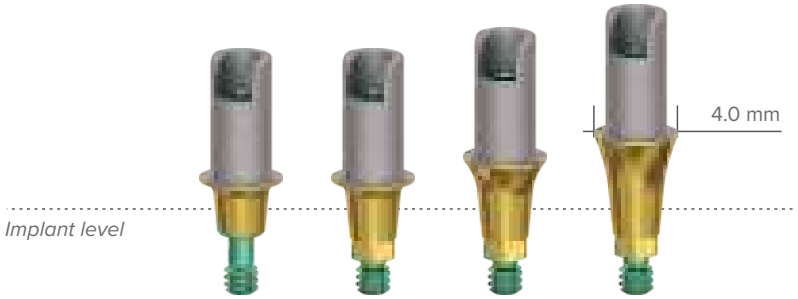
Engineered for a secure and versatile connection between the implant fixture and the final prosthesis. Our titanium bases, also known as digital abutments, are meticulously crafted to optimize prosthetic workflows and deliver exceptional results.

- **Enhanced Prosthetic Grip**

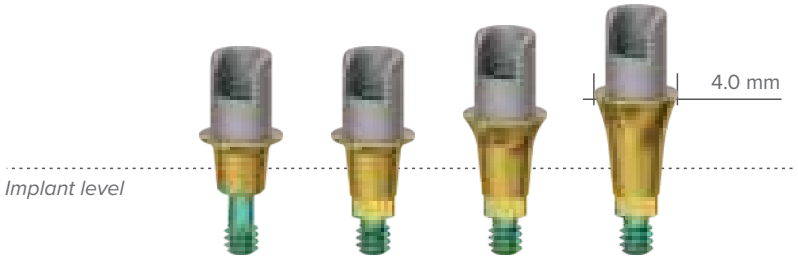
The precisely sandblasted surface provides superior retention for both cemented and screw-retained restorations, ensuring a stable and long-lasting connection of crowns and bridges.

- **Angled Screw Access for Optimal Aesthetics**

Featuring an innovative lateral screw channel with up to 20° angulation, these bases allow for convenient screw access without compromising the aesthetic outcome, particularly crucial in anterior cases. This enables clinicians to achieve ideal emergence profiles and natural-looking restorations.

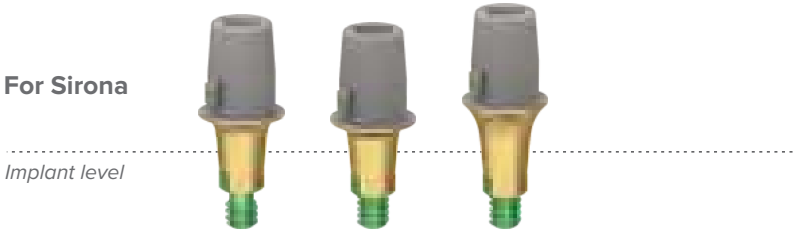


REF	PCOR	PCO1	PCO2	PCO3
L	7	7	8	9
H	1	1	2	3
Index	–	+	+	+



REF	PCORS	PCO1S	PCO2S	PCO3S
L	5	5	6	7
H	1	1	2	3
Index	–	+	+	+

For Sirona



REF	PCO	ATR1	ATR2
L	7.0	5.7	6.2
H	2.5	1	1.5

Titanium bases with Angulated Screw Channel

- Reliable and predictable prosthetic workflows
- Enhanced retention and stability of final restorations
- Improved aesthetic outcomes with angled screw access
- High-quality titanium construction for biocompatibility and durability

Elevate your implant restorations with the precision and versatility of our titanium bases!

L – Height from implant level, mm
H – Gingiva height, mm

SFM6 SLFM6

ROOTT R Multi-Unit Abutments – Versatile Solutions for Complex Implant Restorations

Platform-specific connectors designed to simplify and enhance the creation of multiple-unit prostheses (single crowns, bridges, overdentures) on dental implants. ROOTT R Multi-Unit Abutments offer exceptional versatility and strength for predictable and long-lasting results.

- **Unmatched Restorative Versatility**

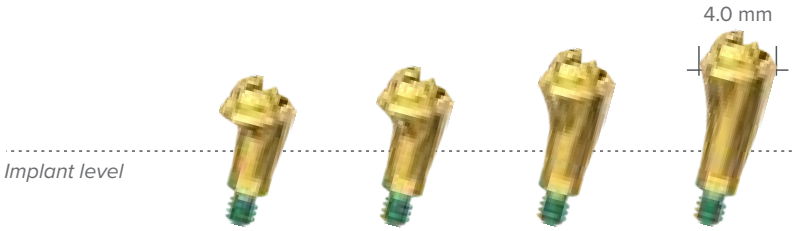
These abutments are engineered to accommodate a wide range of prosthetic options, including screw-retained, cement-retained, and attachment-retained restorations, providing flexibility for diverse clinical needs.

- **Significant Angulation Correction**

With the ability to compensate for implant angulation discrepancies up to 75°, ROOTT R Multi-Unit Abutments ensure optimal prosthetic alignment, even in challenging implant placements, leading to improved aesthetics and function.

- **Secure and Durable Fixation**

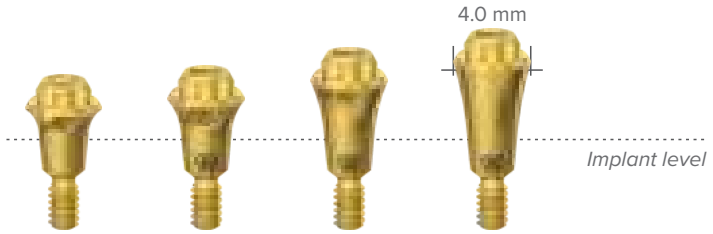
Featuring a strong 1.8 mm screw, these abutments guarantee secure retention of the prosthetic superstructure, minimizing the risk of loosening and ensuring long-term stability and patient satisfaction.



REF	M1A15	M2A15	M3A15	M4A15
L	3.3	3.8	4.8	5.8
H	1	2	3	4
Angle, °	15	15	15	15

REF	M1A30	M2A30	M3A30	M4A30
L	3.8	4.3	5.5	6.6
H	1	2	3	4
Angle, °	30	30	30	30

REF	M1A45	M2A45	M3A45	M4A45
L	4.7	5.4	6.9	8.3
H	1	2	3	4
Angle, °	45	45	45	45



M1	M2	M3	M4
2.9	3.4	4.4	5.4
1	2	3	4
0	0	0	0

For M1-M4 abutments placement ITMx implant driver is required

- Flexibility in planning and executing complex restorations
- Effective correction of implant angulation for optimal outcome
- Reliable and durable connections for long-term success
- A streamlined workflow for multiple-unit restorations

Experience the strength, versatility, and efficiency of ROOTT R Multi-Unit Abutments for predictable and successful implant-supported restorations!

L – Height from implant level, mm
H – Gingiva height, mm

ROOTT R Attachment-Retained Abutments: Empowering Stability and Comfort in Overdentures

The definitive solution for secure, comfortable, and long-lasting attachment-retained restorations. ROOTT R Abutments are meticulously engineered to provide exceptional stability and ease of use for both clinicians and patients.

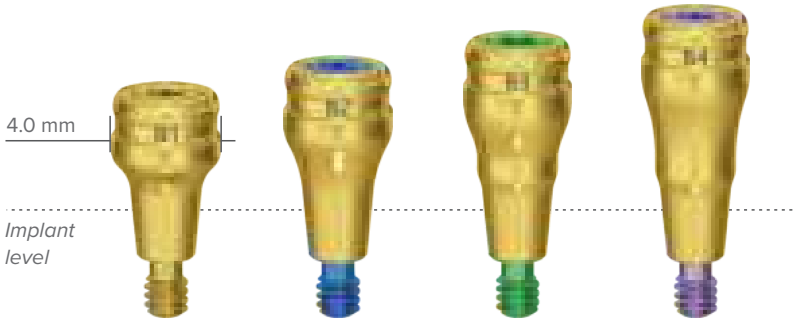
- **Unwavering Secure Retention**
  Optimal grip provides confidence and security for denture wearers.

- **Simplified Maintenance & Adjustments**
  Self-aligning design for easy insertion, removal, and maintenance.

- **Enhanced Patient Comfort & Natural Feel**
  Resilient nylon inserts absorb forces and minimize wear.

- **Superior Long-Term Durability**
  Special TiN coating enhances wear resistance for lasting reliability.

Choose ROOTT R Attachment-Retained Abutments for predictable outcomes and happy, confident patients!



REF	B1	B2	B3	B4
L	4.3	5.2	6.2	7.2
H	1	2	3	4

REF	BCW	BCP	BCY	HBC
	Retention insert, standart, 1800g	Retention insert, soft, 1200g	Retention insert, extra soft, 600g	Matrix housing

L – Height from implant level, mm
H – Gingiva height, mm

- **Ultra-Compact Design**

The smallest attachment system, with height options to choose from and small diameter, ideal for limited inter-arch space.

- **Flexible Retention**

Offers different inserts with three retention levels for personalized stability and easy chairside/lab adjustments.

- **Passive Fit Innovation**

Pivoting mechanism and rotational core allows passive insertion with up to 40° implant divergence.

- **Premium Engineering**

Durable titanium housing with TiN coating and stainless-steel core for biocompatibility and longevity.

Elevate your restorative practice and patient satisfaction with ROOTT R Attachment-Retained Abutments!

ConoLock Telescopic Abutment: The Future of Cementless Implant Restorations

Experience a revolutionary approach to implant-supported restorations with ConoLock Telescopic Abutments. Embrace a simplified, cementless workflow that prioritizes precision and stability.

- **Unmatched Frictional Retention**

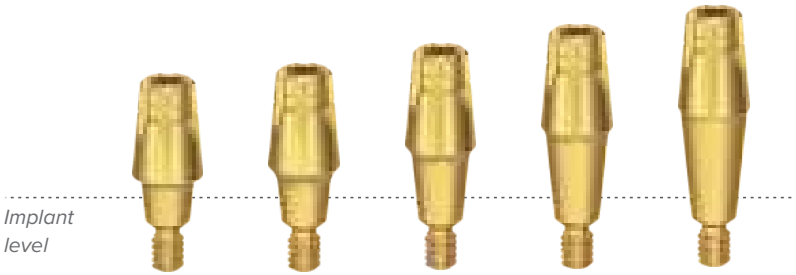
Utilizing an innovative cone-in-cone connection, ConoLock abutments achieve secure and reliable retention of implant-supported copings without the need for screws or cement, eliminating potential complications associated with these traditional methods.

- **Significantly Streamlined Workflow**

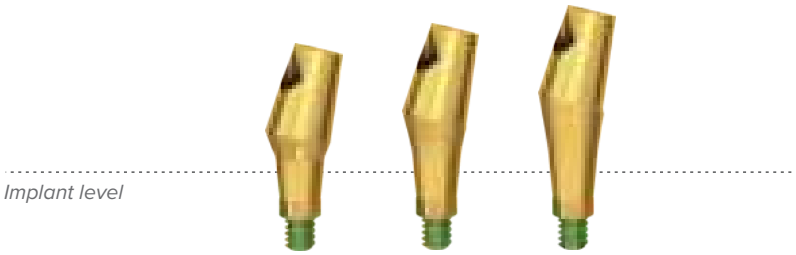
Conometric technology minimizes the need for complex modifications and procedures, simplifying the restorative process, ensuring ease of use, and promoting predictable, efficient outcomes.

- **Functional Stability with Uncompromising Simplicity**

ConoLock Telescopic Abutments deliver exceptional functional stability for the final restoration while maintaining an inherently simple and user-friendly design, representing a true advancement in implant dentistry.

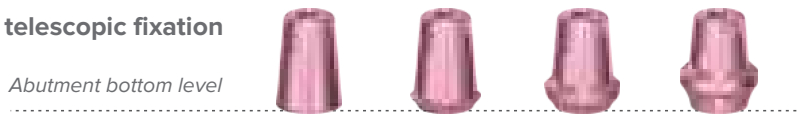


REF	A05K	A1K	A2K	A3K	A4K
L	6	6.5	7.5	8.5	9.5
H	0.5	1	2	3	4
Angle, °	0	0	0	0	0



REF	A1A15K	A2A15K	A3A15K
L	6.9	7.9	8.9
H	1.5	2	3
Angle, °	15	15	15

Abutments for telescopic fixation



REF	TCK0	TCK1	TCK2	TCK3
Full height, mm	6.3	6.3	6.3	6.3
H	0	1	2	3

- **Healthier Peri-Implant Tissues**

Eliminates the risk of residual cement, a major contributor to peri-implantitis.

- **Streamlined Workflow**

Offers a simpler and more efficient prosthetic process for clinicians.

- **Secure & Stable Connections**

Achieves reliable retention through innovative friction-fit or screw-retained designs without any cementation.

- **Digital Dentistry Compatible**

Integrates seamlessly with digital workflows and modern materials.

- **Versatile Applications**

Supports are prosthetic treatment options from single-tooth and multi-unit restorations.

L – Height from implant level, mm
H – Gingiva height, mm

REF **PMAB** **PMAB-A**

Supplied with two screws:
for laboratory use (pink)
for clinical use (green)

Maximum torque – 15 Ncm

Introducing ROOTT R Premilled Blanks: The Foundation for Exquisite Custom Abutments

Elevate your restorative practice with ROOTT R Premilled Blanks, the cornerstone for creating highly precise and patient-specific custom abutments.

- **Uncompromising Fit**

High-grade titanium alloy blanks with pre-machined, ultra-precise implant connections.

- **Esthetic & Comfortable**

Ideal for creating custom abutments that perfectly match natural gum lines.

- **Simplified Care**

Enables easier cleaning and adjustments for long-term patient satisfaction.

- **Healthier Outcomes**

Minimizes micro-movements and wear, promoting superior peri-implant health.

Unlock the potential for truly personalized and exceptional implant restorations with ROOTT R Premilled Blanks

REF TRR

Instruments not included

ROOTT R Surgical Cassette: Organized Efficiency

ROOTT R Surgical Cassette is a specialized container meticulously crafted to securely hold various dental instruments within a dental implant instrument kit for ROOTT R implant placement. Featuring compartments and slots, this cassette organizes instruments, ensuring quick access during procedures. ROOTT R Surgical Cassette maintains order, allowing clinicians to focus on patient care.

Elevate your implant practice with ROOTT R Surgical Cassette — precision, convenience, and seamless workflow!

ROOTT R Implant Drills: Engineered for Precision, Built for Durability

Experience the ultimate in drilling efficiency and control with ROOTT R Implant Drills, versatile instruments designed for both precise bone removal and effective osseodensification.

- **Dual-Mode Efficiency**
  Clockwise cutting & counterclockwise osseodensification for optimal bone management.

- **Implant-Specific Design**
  Customized shapes ensure perfect torque transfer in one step.

- **Superior Strength**
  Special medical alloy for exceptional hardness, wear, and corrosion resistance.

- **Enhanced Surgical Guidance & Safety**
  Cylindrical upper portion for precise guided surgery and collision prevention. This feature also facilitates precise bone cutting while effectively preventing collisions with healing abutments.

Achieve predictable and successful implant procedures with the precision, resilience, and efficiency of ROOTT R Implant Drills

D6506

D6508

D6510

D6512

D4206

D4208

D4210

D4212

D4214

D4216

D3006

D3008

D3010

D3012

D3014

D3016

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ROOTT R Implant Drivers: Precision Guidance for Optimal Implant Placement

Essential tools for accurate and controlled dental implant insertion, compatible with various driving methods for seamless integration into your surgical workflow.

- **Universal Compatibility**

Works like a part of guided system or can be used in manual insertion.

- **Secure "Sticky" Grip**

Unique internal connection for reliable implant holding and reduced slippage.

- **Integrated Depth Guide**

Clear markings for accurate and predictable implant placement.

- **Easy Orientation**

Hex side positioning marks for simple and correct implant alignment.

Achieve accurate and efficient implant placement with the precision and reliability of ROOTT R Implant Drivers, leading to greater confidence and successful outcomes

REF	SR	SRL
Working part, mm	19	26

ROOTT R Abutment Extractors: Gentle Power for Abutment Removal

Specialized dental instruments engineered for the safe and efficient removal of implant abutments, even those that are cold-welded or conically engaged.

- **Safe and Controlled Extraction**

ROOTT R Abutment Extractors are designed to securely lift abutments with controlled force, minimizing stress on the implant fixture and surrounding bone structure during the removal process.

- **Preserves Implant Integrity & Patient Comfort**

Clinicians can confidently remove abutments without compromising the integrity of the implant, ensuring patient comfort.

Ensure a smooth and safe workflow for abutment removal with the precision and efficiency of ROOTT R Abutment Extractors

Upcoming global events 2025/2026

EAO 2025
18-20 September
Monaco

ROOTTERS Summit
26-27 October
Bern, Switzerland

ADF 2025
25-29 November
Paris, France

AEEDC 2026
19-21 January
Dubai, UAE

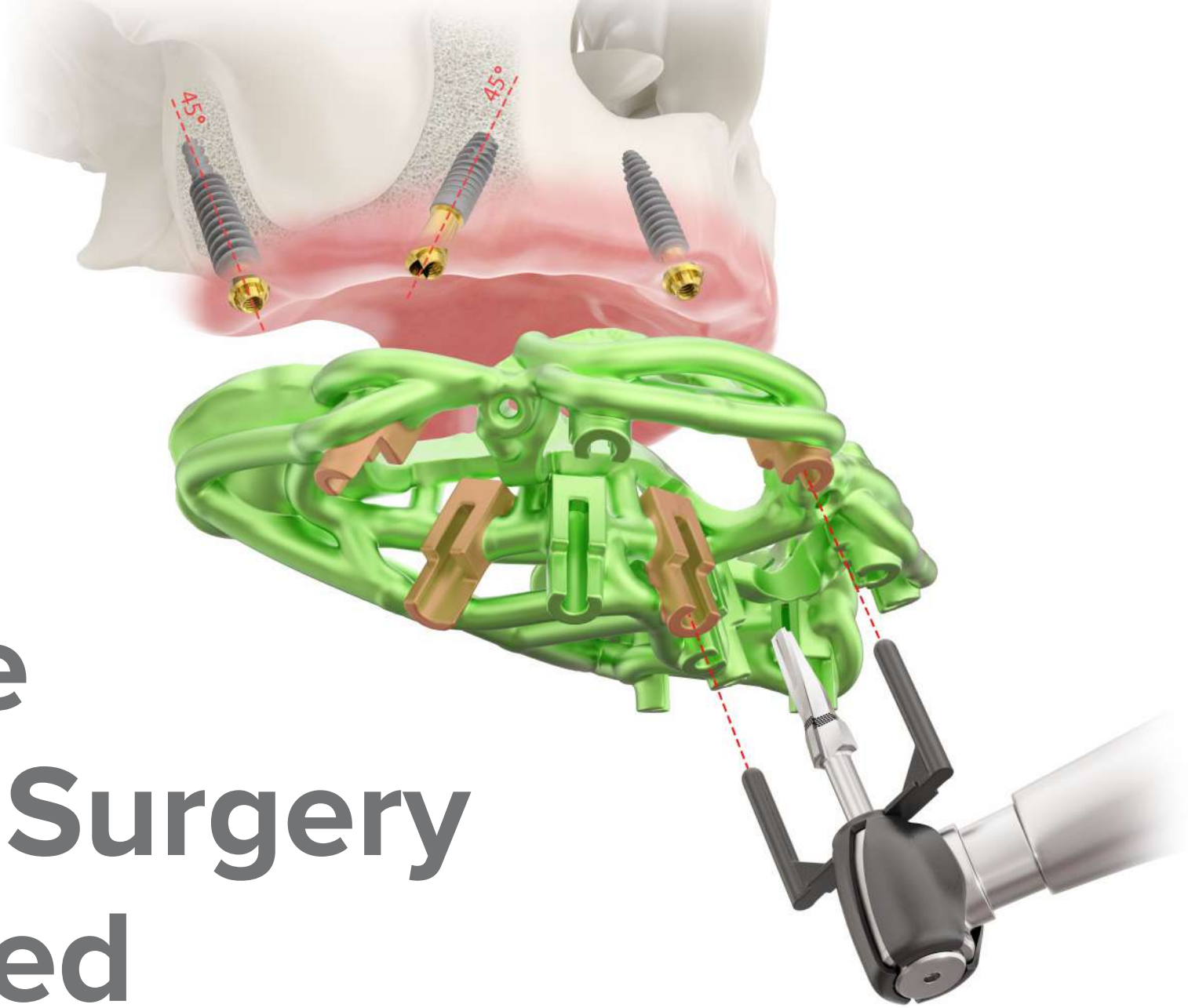
IDEM 2026
17-19 April
Singapore

26-27 OCTOBER SWITZERLAND

Rootters®

14TH ANNIVERSARY SUMMIT

Join us in the stunning town of Bern, Switzerland
to celebrate our 14th anniversary in Europe,
with cutting-edge insights and unforgettable experiences!



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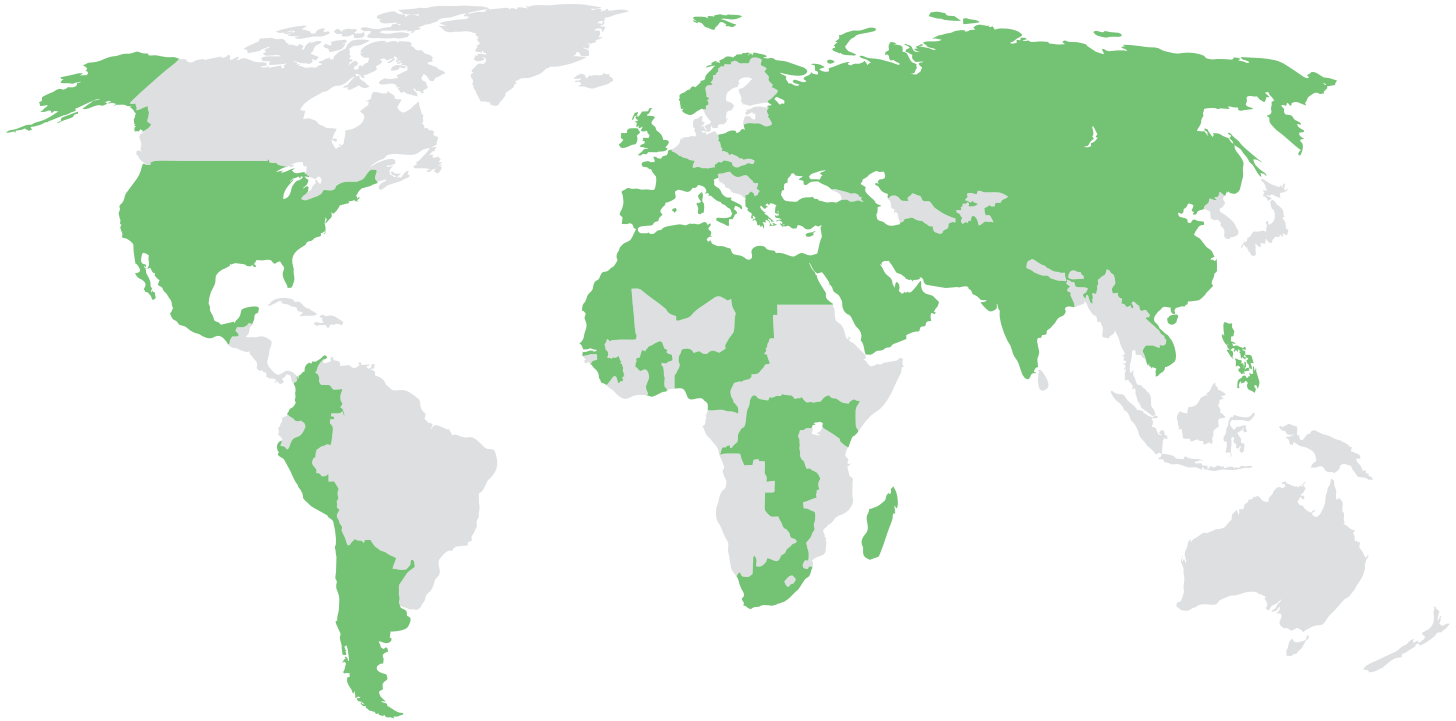
4 MILLION IMPLANTS

ACROSS 80+ COUNTRIES



ROOTT

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