

*From the creator of the original tapered implant...*



— Official Implant of the —  
**Misch International  
Implant Institute**

## The culmination of a lifelong pursuit...



From Dr. Jack Hahn, creator of the world's most widely used tapered implant, the Hahn Tapered Implant System combines clinically proven features with contemporary innovation. Designed for general dentists to be simple, safe, and predictable, this advanced system is precisely engineered to meet the demands of modern implant dentistry.

*Like most clinicians, I want an implant system that serves to simplify treatment and increase case efficiency. Being able to address all kinds of cases quickly and capably is a win-win. That's what the Hahn Tapered Implant is designed to offer: a simple, efficient solution for every indication.*

*When you've been placing and restoring dental implants as long as I have — in the numbers that I have — you've seen what works and what doesn't. This is quite simply the best implant system I've used yet. I'm biased, of course, but I wouldn't put my name on it if I didn't believe it.*

A handwritten signature in cursive script that reads "Dr. Jack Hahn".

## Clinical experience meets cutting-edge design...

### System Highlights

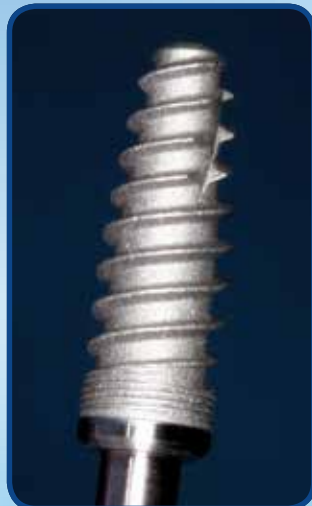
- **Clinically proven** — Designed by renowned implantologist Dr. Jack Hahn
- **Safe and efficient** — Simplified surgical protocol with length-specific drills
- **Precise control** — Pronounced thread pattern to engage bone where directed
- **High primary stability** — Tapered body and buttress threads to maximize immediate load opportunities

The Hahn Tapered Implant System features an array of sizes that allow for placement in all regions of the mouth, from tight anterior spaces to second molar sites. An aggressively angled thread pattern with self-tapping grooves is designed to facilitate swift, efficient delivery. The implant's coronal microthreads and machined collar with built-in platform switching encourage crestal tissue preservation, while the conical, internal hex prosthetic connection supports the full range of restorative solutions.

**Versatile Sizes**



**Efficient Insertion**



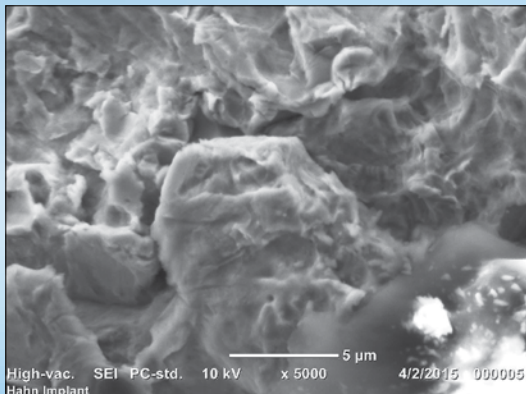
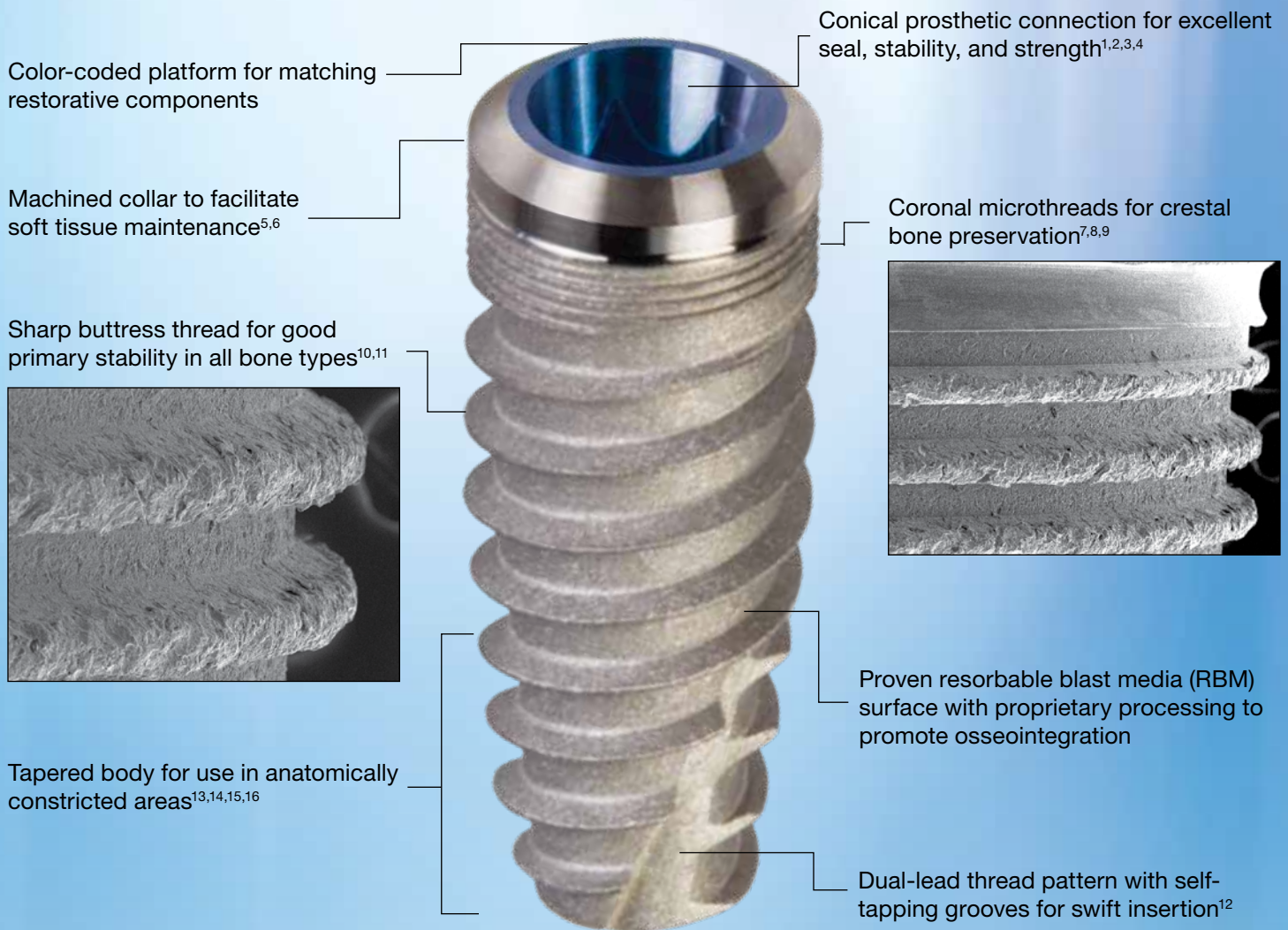
**Precise Control**



**Excellent Stability**



# Features and Benefits

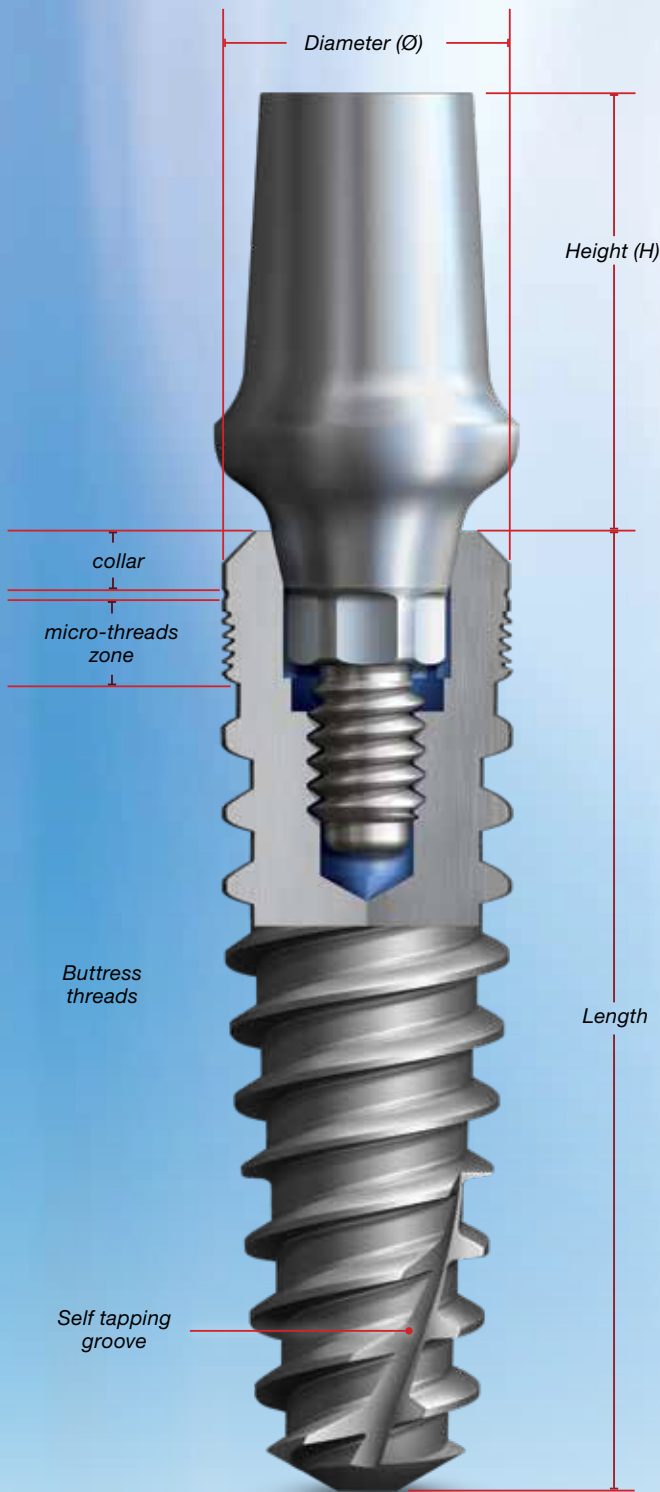


## RBM Surface Technology

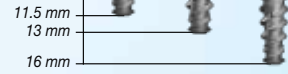
Resorbable blast media (RBM) surfaces have come to enjoy reliable, widespread use in the implant industry.<sup>17</sup> The process involves blasting the titanium surface of the fixture with a calcium phosphate material to generate a macro topography, followed by a passivation process to thoroughly remove the embedded media.<sup>18</sup> The final result is a highly textured, ultra-clean surface with well-documented success in all bone types.<sup>19,20,21</sup>



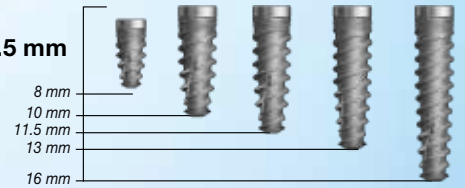
# Technical Specifications



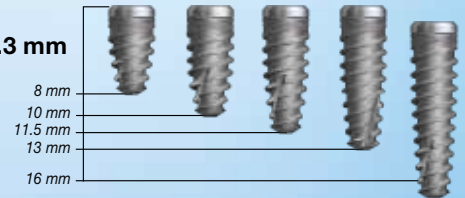
**Ø3.0 mm**



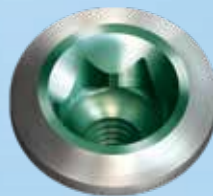
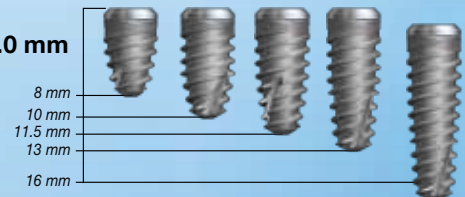
**Ø3.5 mm**



**Ø4.3 mm**



**Ø5.0 mm**



**Ø7.0 mm**



Each Hahn Tapered Implant is packaged with a titanium carrier designed for easy delivery, color-coded by implant diameter.



**Ø3.0 mm**

**Ø3.5 mm**

**Ø4.3 mm**

**Ø5.0 mm**

**Ø7.0 mm**

# A solution for every indication...

Hahn Tapered Implants are specially designed to perform in even the most demanding clinical situations.

## Limited Space ..... Clinical dentistry and images by Jack A. Hahn, DDS

Robust 3 mm implant allows for restoration of narrow ridges and tight interproximal spaces.



*Congenitally missing lateral incisor*



*Ø3.0 mm Hahn Tapered Implant*



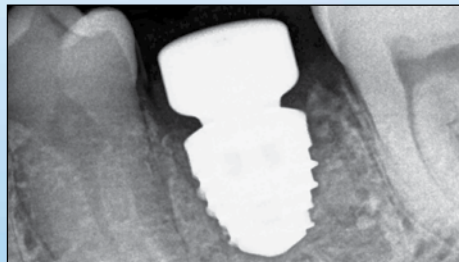
*Final restoration of tooth #10*

## Molar Extractions ..... Clinical dentistry and images by Paresh B. Patel, DDS

Wide-diameter implant ideally suited for “titanium grafting” of posterior extraction sites.



*Extraction of tooth #19*



*Healing abutment post-placement*



*Final prosthetic result*

## Immediate Provisionalization and Esthetic Outcomes ..... Clinical dentistry and images by Paresh B. Patel, DDS

Achieve high primary stability, facilitating non-functional provisionalization where indicated ...



*Extraction of non-restorable tooth #8*



*Immediate placement of temporary abutment and crown*



*Provisional restoration post-op*

... with natural-looking results to satisfy patients, even in demanding anterior cases.



*Area of tooth #8 post-healing*



*Final seating of custom abutment and crown*



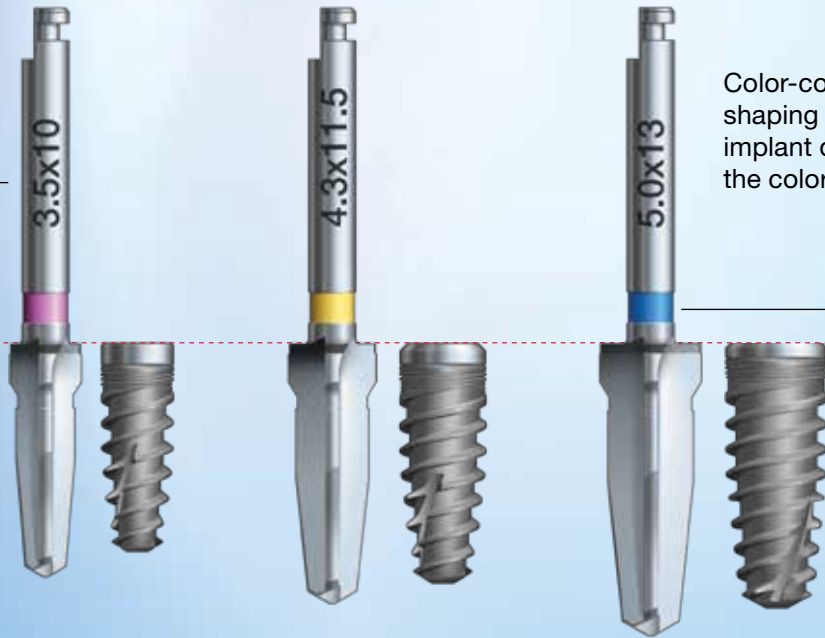
*Final prosthetic result*

View these and other clinical cases at [hahnimplant.com](http://hahnimplant.com).

# Simple, safe, predictable...

Hahn Tapered Implants allow for precise control during placement, engage a maximum amount of bone, and achieve a high degree of primary stability in a wide variety of clinical situations.

Each shaping drill is implant-specific to precisely determine both diameter and depth of the osteotomy.



Color-coded bands on each shaping drill correspond to implant diameter, matching the color of the implant carrier

The instrumentation kits allow the clinician to easily organize, transport, and sterilize the surgical and prosthetic tooling. The autoclavable kits have been designed for ease of use, with component markings for easy identification.



Color-coded surgical kit and drills clearly map the drilling protocol for each implant.



Osteotomes facilitate the placement of Hahn Tapered Implants in areas of soft bone.



Prosthetic kit helps to simplify restorative procedures.

## Hahn Guided Surgery Available for Maximum Precision

- Diameter-specific drills and built-in depth stops eliminate need for guide keys or handles
- Fully guided from initial drill to implant placement
- Streamlined, easy-to-follow drill sequence



Clinical dentistry by Timothy F. Kosinski, DDS, MAGD





# Comprehensive prosthetic options...

Select from a comprehensive assortment of prosthetic components designed to facilitate a full range of traditional and contemporary restorative protocols. All Hahn Tapered Implants feature a conical internal hex connection for a secure prosthetic seal.

## Contoured Healing and Matching Transfers



Contoured to prepare the soft tissue for a more natural emergence profile, Hahn Tapered Implant Healing Abutments are available in multiple heights to accommodate varying gingival thickness.

When healing is complete, precisely capture the gingival anatomy with a matching impression coping for a predictable, esthetic result.



## Esthetic Abutment Solutions



With contoured margins specifically designed for anterior and posterior regions of the mouth, straight or angled Hahn Tapered Implant Titanium Esthetic Abutments are ideally suited for most cementable crown-and-bridge applications.

For full-arch restorations, Hahn Tapered Implant Multi-Unit Abutments are available in straight and angled configurations, and are supported by a full line of prosthetic accessories.



## Additional Solutions

The Hahn Tapered Implant System also features an assortment of temporary abutments, digital scanning abutments, UCLA abutments, and more.



## About the Manufacturer

Prismatik Dentalcraft was established in 2006 by a carefully assembled team of experts with decades of combined experience in the design, engineering, and manufacture of dental implants. Bolstered by a support staff of highly respected researchers, material scientists, clinical specialists, and dental technicians, Prismatik is dedicated to advancing implant therapies by combining proven treatment protocols with progressive materials, technologies, and techniques.

### Expert Personnel



*Our team of experts have decades of combined experience in the design and manufacture of dental implants.*

### State-of-the-Art Equipment



*Our Swiss-type lathes and multi-axis milling machines are ideal for implants and prosthetics requiring extreme precision.*

### Made in the U.S.A.



*Our ISO-certified facility in Irvine, Calif. operates under FDA Current Good Manufacturing Practices (CGMPs).*

## References

1. Khraisat A, Stegaroiu R, Nomura S, Miyakawa O. Fatigue resistance of two implant/abutment joint designs. *J Prosthet Dent.* 2002 Dec;88(6):604-10.
2. Maeda Y, Satoh T, Sogo M. In vitro differences of stress concentrations for internal and external hex implant-abutment connections: a short communication. *J Oral Rehabil.* 2006 Jan;33(1):75-8.
3. Hansson S. A conical implant-abutment interface at the level of the marginal bone improves the distribution of stresses in the supporting bone. An axisymmetric finite element analysis. *Clin Oral Implants Res.* 2003 Jun;14(3):286-93.
4. Hansson S. Implant-abutment interface: biomechanical study of flat top versus conical. *Clin Implant Dent Relat Res.* 2000;2(1):33-41.
5. Misch CE, Strong TD, Bidez MW. Scientific rationale for dental implant design. In: Misch CE, editor. *Contemporary Implant Dentistry* 3rd ed. St.Louis: Mosby; 2008:pp 200-232
6. Misch CE. A scientific rationale for dental implant design. In: Misch CE, editor. *Dental Implant Prosthetics.* St.Louis: Mosby; 2005. p.322-48.
7. Ormianer Z, Palti A. Retrospective clinical evaluation of tapered screw-vent implants: results after up to eight years of clinical function. *J Oral Implantol.* 2008;34(3):150-60. doi: 10.1563/1548-1336(2008)34[150:RCEOTS]2.0.CO;2.
8. B. S. Talwar. A Focus on Soft Tissue in Dental Implantology. *J Indian Prosthodont Soc.* 2012 Sep; 12(3): 137-142. Published online 2012 Jun 15. doi: 10.1007/s13191-012-0133-x
9. Goswami M. Comparison of crestal bone loss among two implant crest module designs. *MJAFI.* 2009;65:319-322.
10. Torroella-Saura G, Mareque-Bueno J, Cabratosa-Termes J, Hernández-Alfaro F, Ferrés-Padró E, Calvo-Guirado JL. Effect of implant design in immediate loading. A randomized, controlled, split-mouth, prospective clinical trial. *Clin Oral Implants Res.* 2015 Mar;26(3):240-4. doi: 10.1111/clr.12506. Epub 2014 Oct 18.
11. Eraslan O, Inan O. The effect of thread design on stress distribution in a solid screw implant: a 3D finite element analysis. *Clin Oral Investig.* 2010 Aug;14(4):411-6. doi: 10.1007/s00784-009-0305-1. Epub 2009 Jun 20.
12. Abuhussein H, Pagni G, Rebaudi A, Wang HL. The effect of thread pattern upon implant osseointegration. *Clin Oral Implants Res.* 2010 Feb;21(2):129-36. doi: 10.1111/j.1600-0501.2009.01800.x. Epub 2009 Aug 25.
13. PG Khayat, SN. Milliez, Prospective clinical evaluation of 835 multithreaded tapered screw vent implants: results after two year of loading, *Journal of Oral Implantology*, Vol. XXXIII/No. Four/2007.
14. J Hahn, The emergency implants: Immediate extraction replacement in esthetics Zone, *International journal of Oral Implantology and clinical research*, Jan-April 2010; 1(1): 1-10.
15. García-Vives N, Andrés-García R, Rios-Santos V, Fernández-Palacín A, Bullón-Fernández P, Herrero-Climent M, Herrero-Climent F. In vitro evaluation of the type of implant bed preparation with osteotomes in bone type IV and its influence on the stability of two implant systems. *Med Oral Patol Oral Cir Bucal.* 2009 Sep 1;14(9):e455-60.
16. Alves CC, Neves M. Tapered implants: from indications to advantages. *Int J Periodontics Restorative Dent.* 2009 Apr;29(2):161-7.
17. Marin C, Bonfante EA, Granato R, Suzuki M, Granjeiro JM, Coelho PG. The effect of alterations on resorbable blasting media processed implant surfaces on early bone healing: a study in rabbits. *Implant Dent.* 2011 Apr;20(2):167-77. doi: 10.1097/ID.0b013e318211fb32.
18. L. Guehenec, A. Soueidan, P. Layrolle, Y. Amouriq, Surface treatments of titanium dental implants for rapid osseointegration, *journal of dental materials dental materials* 23 (2007) 844-854.
19. Germanier Y, Tosatti S, Broggin N, Textor M, Buser D. Enhanced bone apposition around biofunctionalized sandblasted and acid-etched titanium implant surfaces. *Clin Oral Implants Res.* 2006 Jun;17(3):251-7.
20. Dohan Ehrenfest DM, Coelho PG, Kang BS, Sul YT, Albrektsson T. Classification of osseointegrated implant surfaces: materials, chemistry and topography. *Trends Biotechnol.* 2010 Apr;28(4):198-206. doi: 10.1016/j.tibtech.2009.12.003. Epub 2010 Jan 29.
21. Kim YK, Kim SG, Kim JH, Yi YJ, Yun PY. Prospective study of tapered resorbable blasting media surface implant stability in the maxillary posterior area. *Oral Surg Oral Med Oral Pathol Oral Radiol.* 2012 Jul;114(1):e19-24. doi: 10.1016/j.tripleo.2011.08.028. Epub 2012 Feb 28.

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*Dr. Hahn and his team share my commitment to **quality, research,** and the desire to make **life-changing implant treatment** available to more patients. I encourage you to review the clinical advantages of the **Hahn Tapered Implant System.***

— Carl E. Misch, DDS, MDS, Ph.D. (h.c.)

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— Official Implant of the —  
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Designed and manufactured in the U.S.A.

For more information, please visit:

**[hahnimplant.com](http://hahnimplant.com)**

or call:

**888-303-3975**



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