

# Tapered Internal Tissue Level

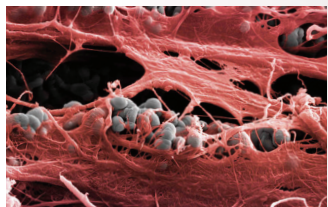


## reestablish the biologic seal

Tapered Tissue Level implants feature a 2.0mm transmucosal collar for one stage procedures and Laser-Lok surface technology to inhibit epithelial downgrowth, attach connective tissue and create a biologic seal around the implant.<sup>1,2</sup> Tapered Tissue Level implants are available in 4 diameters including the only 3mm tissue level implants currently available for tight spaces.<sup>3</sup>

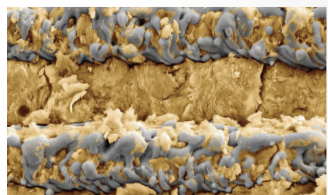
### connective tissue attachment

creates a connective tissue attachment and supports per-implant health



### bone attachment

Laser-Lok® microchannels retain crestal bone



### restorative ease

conical internal hex connection is color-coded for quick identification and component matching



Refer to the Tapered Internal Catalog & Surgical Manual (L02024) for a general description and use of the surgical instruments.

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## Tapered Internal Tissue Level (continued)

Tapered Tissue Level implants come packaged with a flat cover screw.

Refer to the Tapered Tissue Level Catalog (ML0175) for a complete list of restorative options.



3.0mm body, 3.5mm platform

TTLY3010	10.5mm length
TTLY3012	12mm length



3.8mm body, 3.5mm platform

TTLY3807	7.5mm length
TTLY3809	9mm length
TTLY3810	10.5mm length
TTLY3812	12mm length



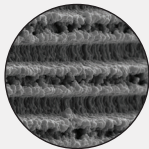
4.6mm body, 4.5mm platform

TTLG4607	7.5mm length
TTLG4609	9mm length
TTLG4610	10.5mm length
TTLG4612	12mm length

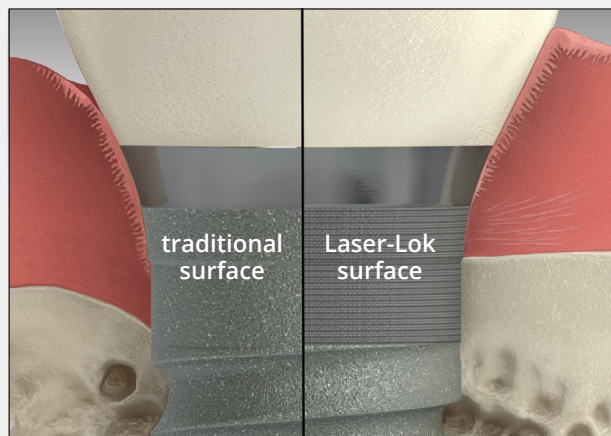


5.8mm body, 5.7mm platform

TTLB5807	7.5mm length
TTLB5809	9mm length
TTLB5810	10.5mm length
TTLB5812	12mm length



## Laser-Lok<sup>®</sup> microchannels better science, better implants



- Over 25 years of in vitro, animal and human studies at leading universities<sup>4</sup>
- Reduced incidence of peri-implantitis compared to traditional surfaces<sup>5</sup>
- Only surface shown to attract a physical, connective tissue attachment<sup>6-14</sup>
- 3 year follow-up showing no significant changes in crestal bone level, probing depths, and implant-gingival unit stability from time of surgery<sup>15</sup>

learn more at  
[laser-lok.com](http://laser-lok.com)

**1.** Radiographic analysis of crestal bone levels around Laser-Lok collar dental implants. Shapoff CA, Lahey B, Wasserlauf PA, Kim DM. *Int J Periodontics Restorative Dent.* 2010 Apr;30(2):129-37. **2.** Clinical and morphological aspects of the implant/soft tissue interface. Rodrigo F, Neiva, DDS, Kathleen G, Neiva, DDS, Tae-Ju Oh, DDS, MS, Hom-Lay Wang, DDS, MSD. *Int Chin J Dent* 2002; 2:151-161. **3.** Based on research of competitive data. Thread major is 3.0mm. **4.** Incidence of peri-implant diseases on implants with and without laser-microgrooved collar: A 5-year retrospective study carried out in private practice patients. Guarneri R, Grande M, Zuffetti F, Testori T. *Int J Oral Maxillofac Implants.* 2018 Mar/Apr;33(2):457-465. **5.** For a complete research summary, please see Laser-Lok Clinical Overview (BioHorizons document ML0606). **6.** Human histologic evidence of a connective tissue attachment to a dental implant. M Nevins, ML Nevins, M Camelo, JL Boyesen, DM Kim. *Int J Periodontics Restorative Dent.* Vol. 28, No. 2, 2008. **7.** The effects of laser microtextured collars upon crestal bone levels of dental implants. S Weiner, J Simon, DS Ehrenberg, B Zweig, JL Ricci. *Implant Dentistry.* Volume 17, Number 2, 2008. p. 217-228. **8.** Influence of a microgrooved collar design on soft and hard tissue healing of immediate implantation in fresh extraction sites in dogs. SY Shin, DH Han. *Clin. Oral Impl. Res.* 21, 2010; 804-814. **9.** Maintaining inter-implant crestal bone height via a combined platform-switched, Laser-Lok<sup>®</sup> implant/abutment system: A proof-of-principle canine study. M Nevins, ML Nevins, L Gobbato, HJ Lee, CW Wang, DM Kim. *Int J Periodontics Restorative Dent.* Volume 33, Number 3, 2013. **10.** Histologic evidence of a connective tissue attachment to laser microgrooved abutments: A canine study. M Nevins, DM Kim, SH Jun, K Guze, P Schubach, ML Nevins. *Int J Periodontics Restorative Dent.* Vol. 30, No. 3, 2010. **11.** Histologic evidence of connective tissue integration on laser microgrooved abutments in humans. NC Geurs, PJ Vassilopoulos, MS Reddy. *Clinical Advances in Periodontics.* Vol. 1, No. 1, May 2011. **12.** Connective tissue attachment to laser microgrooved abutments: A human histologic case report. M Nevins, M Camelo, ML Nevins, P Schubach, DM Kim. *Int J Periodontics Restorative Dent.* Volume 32, Number 4, 2012. p. 384-392. **13.** Reattachment of the connective tissue fibers to the laser microgrooved abutment surface. M Nevins, M Camelo, ML Nevins, P Schubach, DM Kim. *Int J Periodontics Restorative Dent.* Volume 32, Number 4, 2012. e131-134. **14.** The impact of dis/reconnection of laser microgrooved and machined implant abutments on soft- and hard-tissue healing. Igthaut G, Becker K, Golubovic V, Schliephake H, Mihatovic I. *Clin Oral Implants Res.* 2013 Apr;24(4):391-7. **15.** Implant-Gingival Unit Stability Around One-Stage Implants with Laser-Microgrooved Collar: Three-Year Result of a Prospective Study. Renzo Guarneri, MD, DDS, Gabriele Miccoli, DDS, PhD, Marco Seracchiani, DDS, PhD, Maurizio D'Angelo, DDS, PhD, Dario Di Narado, DDS, PhD, and Luca Testarelli, DDS, PhD. *Open Dent J* 2020(14): 226-234. doi: 10.2174/187421062014010226

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