

Trabecular Metal[™] Dental Implant



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Surgical Technique Guide



As the Trabecular Metal Material interacts with the osteotomy during implant seating, placement will likely have a different tactile feel from other, more conventional implants. The following information is intended to highlight key considerations for placement of the Trabecular Metal Implant to help ensure confidence during surgery.

1 PREPARATION: Prepare the osteotomy per protocol

Prepare the surgical site by following the Trabecular Metal Implant surgical protocol corresponding to the implant length, diameter and bone density.

DENSE BONE - Do not underprepare the osteotomy in dense bone. If in doubt whether bone type is D2 or D3, dense-bone protocol is recommended. If excess resistance in dense bone is encountered, utilize the appropriate bone tap.

SOFT BONE - Only use the soft-bone protocol in porous trabecular bone with a thin or undifferentiated cortical layer.



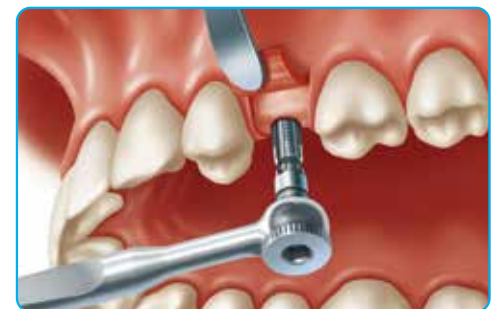
2 PRESSURE: Apply downward pressure to seat

Apply moderate downward pressure as the Trabecular Metal Material begins to engage the osteotomy. The implant may seem to drop into the osteotomy at this point, after which the implant threads re-engage and drive the implant. If the implant needs to be backed out following partial placement into the osteotomy, removal can be achieved by attaching the Surgical Ratchet (RSR) directly to the Fixture Mount/Transfer.



3 TORQUE: Insert implant with low torque values

High insertion torque protocols are not needed for the Trabecular Metal Implant. Placement at 20 Ncm to 35 Ncm is common. Due to the potential for rapid ingrowth and secondary stability, allow the healing process to do its work to achieve stability. If excess resistance in dense bone is encountered, utilize the appropriate bone tap. Osteotomes or any other modifications in the surgical sequence are not recommended.



This guide is for educational use only and should be used as a complement to the standard drilling sequence specified in the Trabecular Metal and Tapered Screw-Vent® Implant System Surgical Manual and instructions for use.

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