

III. Osseodensification May Facilitate Lateral Ridge Expansion

A. Ridge Expansion Procedure

A sufficient trabecular bone thickness is needed to facilitate plastic expansion.

1. Flap the soft tissue using the technique indicated for the implant position.
2. Drill to the desired depth using the Pilot Drill (*Drill speed 800-1500 rpm with copious irrigation*).
3. Depending upon the implant type and diameter selected for the site, begin with the narrowest Densah® Bur. **Set the drill motor to reverse–Densifying mode** (*Counterclockwise drill speed 800-1500 rpm with copious irrigation*). Begin running the bur into the osteotomy. When feeling the haptic feedback of the bur pushing up out of the osteotomy, **repeatedly lift off and reapply pressure with a pumping motion** until reaching the desired depth.
4. Use the Densah® Burs in small increments.
5. As the bur diameter increases, the bone will slowly expand to the final diameter.
6. Place the implant into the osteotomy. If using the drill motor to tap the implant into place, the unit may stop when reaching the placement torque maximum. Finish placing the implant to depth with a torque indicating wrench.
7. If < 1.5-2.0 mm of buccal bone thickness has resulted after osseodensification, bone grafting is recommended post implant placement and complete implant coverage should be considered for 2-stage healing protocol.

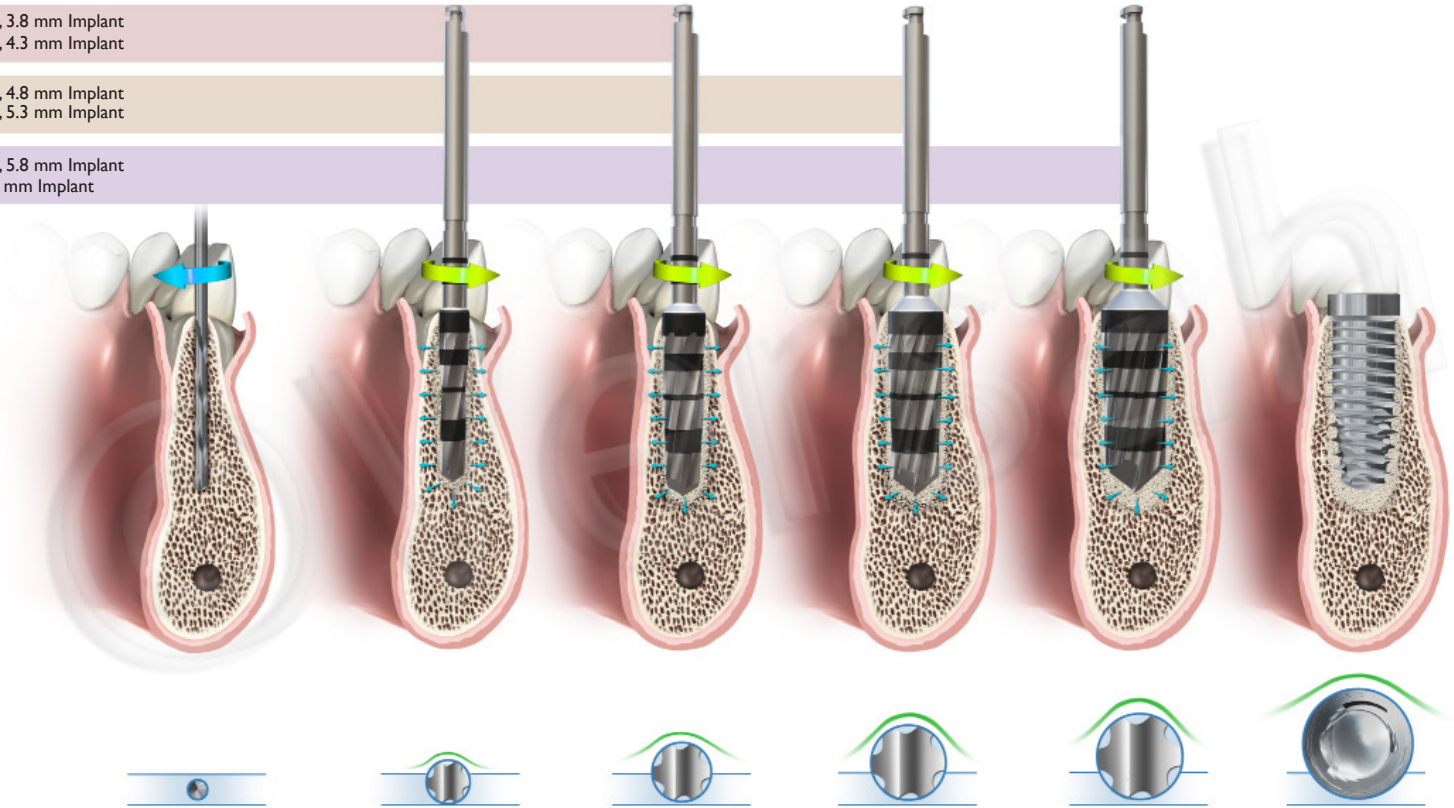


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Ridge Expansion
Procedure video

3.5, 3.7, 3.8 mm Implant
4.0, 4.2, 4.3 mm Implant

4.5, 4.7, 4.8 mm Implant
5.0, 5.2, 5.3 mm Implant

5.5, 5.7, 5.8 mm Implant
6.0, 6.2 mm Implant



*Clinician experience and judgement should be used in conjunction with the Densifying Reference Guide recommendation and suggested use protocols.