



Easy Split & Expansion of the Narrow Ridge

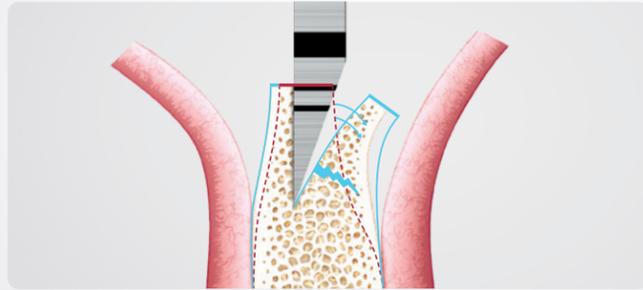
ESSET Kit

- Safe expansion and low risk of buccal fracture without splitting
- Allows for strong immediate loading after ridge split procedures
- Reduces healing time as a result of the 4 wall defect
- Ø4.0, Ø4.5 implants can be placed even in narrow ridges

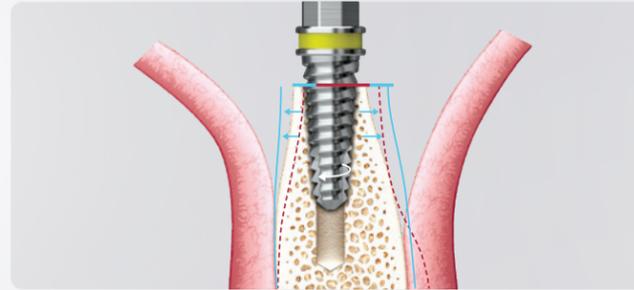
HIOSSEN
IMPLANT

Safer and predictable expansion of the narrow ridge to secure sufficient room for implant placement

- The expansion drill is designed to gradually widen the split bone through self-tapping, thereby minimizing the likelihood of bone fracture
- Attains initial stability through harnessing the elasticity of the expanded bone



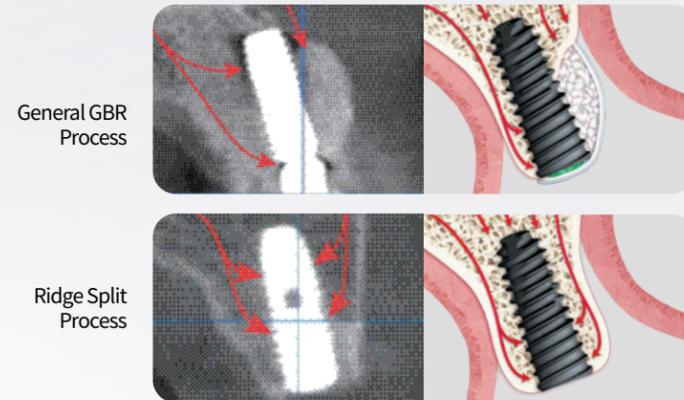
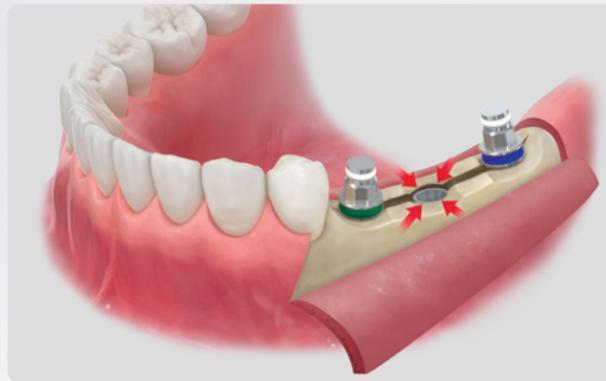
Chisel and Mallet



ESSET Kit: Expansion Drill

Facilitates blood supply and shortens healing time

- The ESSET technique, through the utilization of a 4-wall defect, facilitates improved blood flow to all sides of the fixture, leading to a reduction in healing time
- Does not require additional bone grafting or membrane

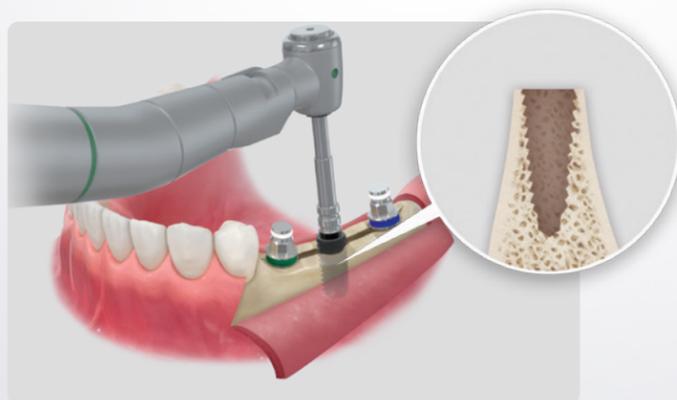


General GBR Process

Ridge Split Process

Place implants without excess torque

- The expansion drill enables implant placement without the need for excessive torque due to the secure expansion and fixation of the split bone



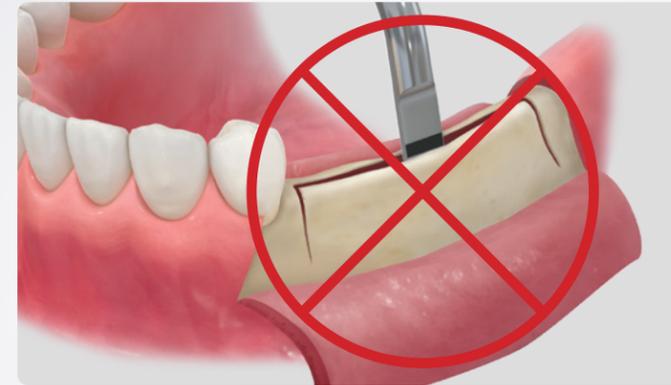
Crest Remover

- The crest remover facilitates the generation of sufficient bone width necessary for surgery
- Flattens uneven ridge for implant preparation

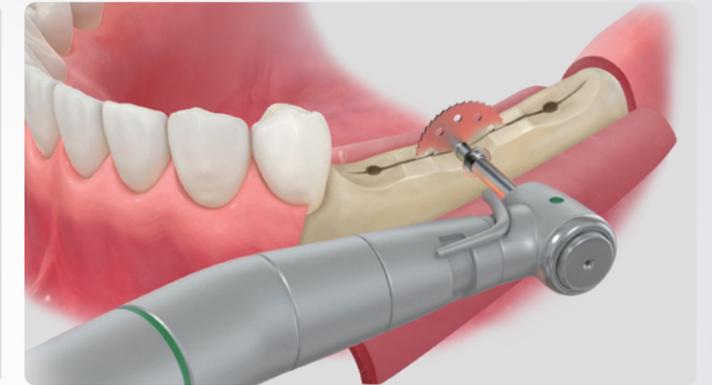


Ridge split surgery without conventional chisels and mallets

- Eliminating the use of a mallet minimizes patient discomfort



Conventional ridge split with mallet and chisel



Saw protector sold separately

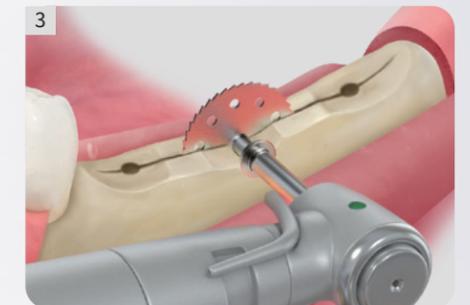
Surgical Sequence



1 Crest Remover: Contour ridge and create grooves for implant sites



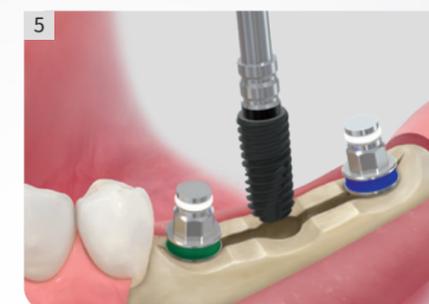
2 Initial drilling with twist drill to define implant positioning



3 Saw to incise and split ridge



4 Expansion drill to expand ridge



5 Implant placement into expanded ridge



6 Complete placement



7 Insert the healing abutment



8 Suture and complete the procedure

For more detailed information about ESSET surgical sequence, request the ESSET Kit Manual

ESSET Kit layout and components

