OsseoSpeed® EV drilling protocol overview

A unique drilling protocol has been developed to allow for preferred primary implant stability. The strategy with the drilling protocol is to provide apical bone support to the implant when indicated, but relieve the apex from bone contact when this support is not indicated.

**Cortical bone preparation – straight implants**

Mandatory preparation of the cortical layer to reduce pressure in the bone around the implant neck.

**Cortical bone preparation – conical implants**

Mandatory preparation of the cortical layer to reduce pressure in the bone around the implant neck.

**Alternative spongious bone preparation**

- **V-Twist Drill**
  - extra apical preparation
  - Following opening of the marginal cortical layer with cortical drill A or conical drill A/B, the V drill is used to relieve the apical bone support when this support is not indicated.
  - Color: corresponds to implant body diameter
  - Note: for conical implants, this color refers to the implant body diameter.

- **X-Step Drill**
  - extra body preparation
  - Following opening of the marginal cortical layer with cortical drill A or conical drill A/B, the X drill, in addition to relieving the apical bone support, is used to widen the body portion of the osteotomy in situations with more dense bone e.g. the lower jaw.
  - Note: for conical implants, this color refers to the implant body diameter.