OsseoSpeed EV guided surgery drilling protocol overview

The drilling protocol describes one procedure for spongious bone that satisfies the majority of patient cases, and is based on two cortical bone thicknesses: thin cortical and thick cortical bone.

Cortical Drills – straight implants
The A or B Cortical Drill is used for the preparation of the cortical layer to reduce pressure in the bone around the implant neck. The Cortical Drills are directly guided in the tube of the guide.

Note: There is a separate depth marking for the 6 mm implant.

Drills for spongious preparation
Full length drills with mechanical depth stop and sleeve-on-drill are used for the osteotomy preparation. The osteotomy design ensures proper preparation of the bone for implant placement, while achieving the preferred level of primary stability. Length: available in 6-8 mm, 9-11 mm and 13-15 mm.

ND = narrow diameter sleeve
WD = wide diameter sleeve

Optional osteotomy preparation
If necessary, additional preparation can be performed with one of the following drills:

V-Drill EV
After preparation of the cortical layer with the cortical drill A, B or A/B, the V-drill can be used to widen the apical portion of the osteotomy.

X-Drill EV
After preparation of the cortical layer with the B or A/B Drill, the X-drill can be used to widen the osteotomy below the margin.