30 Second Keyless Guided One Drill Implant Surgery

Bio | directCut Drill
Completely different topography than a regular osteotomy drill.

Only one drill is needed to create the final osteotomy!

Direct Cut drills should be used like 'standard' osteotomy drills with the exception of only needing the final drill to prepare the osteotomy. Irrigated drilling should be performed with a precise up and down pumping action, which allows for incremental depth penetration and cleansing of the cutting flutes. Drill pressure should be adjusted based on bone density.
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The first step prior to ordering is to plan the Surgery on a CT Guided surgery software program that can generate a Guide. You can use any program you like. Blue Sky Plan is available free if you like. The one pictured is SiCat.
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The tube has a 1mm high lip to mimic a standard lip on a guide key. The top of the lip to the top of your implant is set to 10mm. The D2 number or the height of the guide without the keyless tube is the normal 9mm.
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Computer generated guide with a Keyless Tube that can be cemented into a Nobel Compatible 5mm mastertube

Blue Sky Bio
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Your stop is a 3D printed guide that you can order from whatever lab you want.

Printed stop on Drill, fits perfect on BlueSkyBio BIO | Cut drills, and our handpiece.
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Direct Cut Drill. Only final diameter is needed

Keyless tube glued into surgical guide

CAD/CAM generated Guide from CT and Optical scan

Drill Stop

Blue Sky Bio
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Image of a stop engaging the Cemented Keyless Tube within a guide

See how nice it stops without a Key!

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Each Implant diameter has a corresponding tube. The tube is automatically included in the order. You have the choice of a Cerec Guide, Optiguide with a 5mm Nobel Compatible 5mm Master Tube, or any Computer guided surgery system than can have a 5mm Nobel Compatible Master tube.

If you do not already have the drill, you can order one. The drills for each implant diameter are on the list with the implant. Each implant length requires a laboratory 3D plastic printed stop. Instructions for printing the stop are at the end of the page. Your local laboratory can print the stop or you can order it from one of the labs listed.