



GUIDED

SURGICAL SYSTEM



"Offers the precision and efficiency of guided implant placement with a simple kit design."

TWO-STAGE GUIDED SURGERY

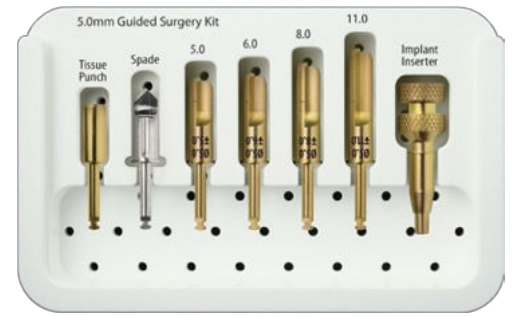
GUIDED SURGERY

Guided surgery can be an effective and efficient surgical technique if there is ample bone, especially for novice implant clinicians.

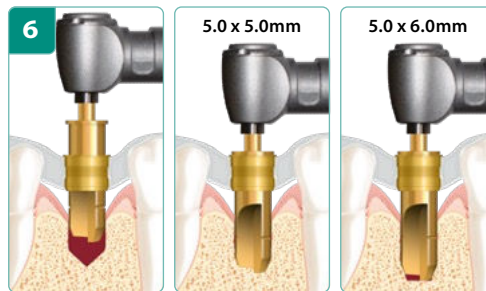
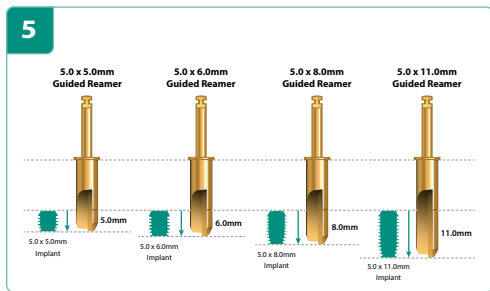
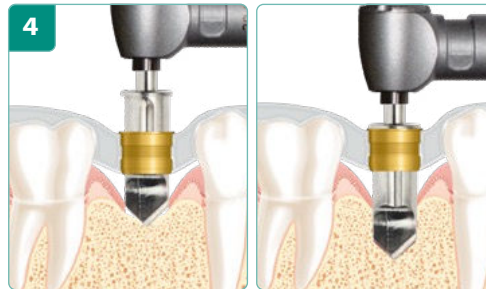
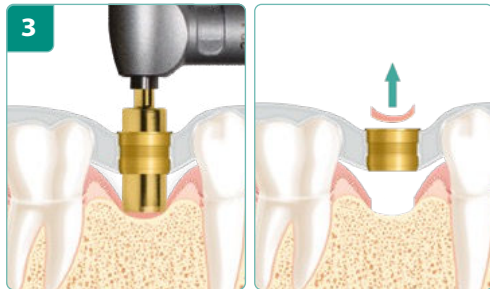
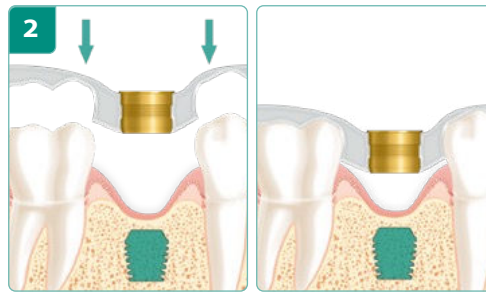
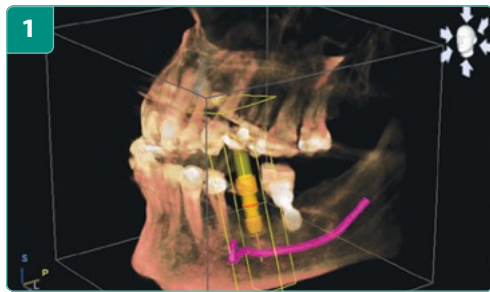
It is important to definitively stabilize the CBCT-designed surgical guide on the remaining teeth or with screws fastened to the bone.

Many experienced clinicians prefer to use CBCT-designed surgical guides for use with the Guided Pilot Drill only, especially where there is minimal bone available. This affords the opportunity to use various techniques, such as ridge widening and internal sinus lift procedures, which are the hallmark of Bicon's hand reamers and surgical protocols.

5.0mm Guided Surgery Kit

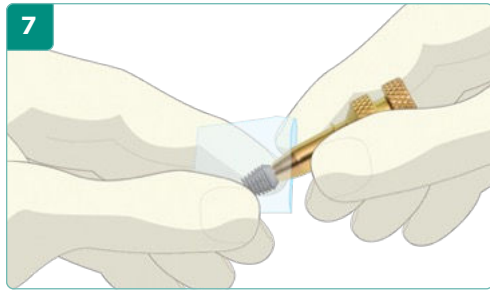


Single Tooth » Guided Osteotomy Preparation and Implant Placement • 5.0 x 6.0mm Implant



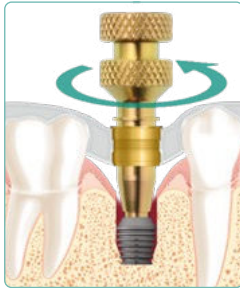
1. With a CBCT scan, choose an appropriate Bicon implant from the software, and position it so that it lies parallel with the adjacent teeth to allow for the use of a straight abutment. After finalizing the design, send the scan to a guide-fabricating laboratory.
2. Place the guide over the adjacent teeth and verify its fit and stability before proceeding. Note the intended implant placement and the 5.0mm color-coded guide ring embedded within the guide.
3. Use the guided tissue punch to remove a circular piece of mucosa and keep it moist so that it may be replaced. Alternatively, use the guided tissue punch to mark the osteotomy site and then create a flap with a scalpel.
4. Use the guided spade drill rotating at 400 RPM with irrigation to create the initial osteotomy. The drill is advanced into the osteotomy until it contacts the color-coded ring. When the cortical bone is dense, one should initially use a standard pilot drill to penetrate the cortical bone and then proceed with the guided spade drill.
5. To deepen the osteotomy, use the guided reamers sequentially until the final intended implant length is achieved.
6. For the depicted 5.0 x 6.0mm implant placement, start with the 5.0 x 5.0mm guided reamer and finish with the 5.0 x 6.0mm guided reamer. Rotate the reamers at 50 RPM without irrigation and harvest autogenous bone as it accumulates within the reamer flute.

Single Tooth » Guided Osteotomy Preparation and Implant Placement • 5.0 x 6.0mm Implant (continued)



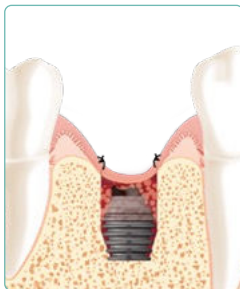
7. Open the sterile implant packaging, remove healing plug, and place guided inserter into implant and rotate the lower knob counterclockwise until it is flush with the top of the implant.

8. Note that the guided inserter should sit flush with the top of the implant prior to insertion.



9. Place the guided inserter through the guide and rotate the lower knob counterclockwise to disengage the implant.

10. Remove the guide, and place a cut healing plug into the well of the implant.



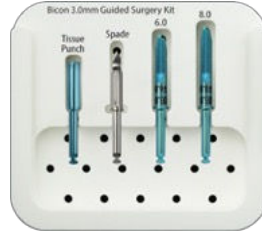
11. Using a Woodson or comparable instrument, carefully place harvested bone from Step 6 over the implant shoulder. Replace the circular piece of mucosa or flap and suture in place. Wait for a minimum of 3–4 months for osseointegration.

Guided Surgery Sequence Planning for a 5.0 x 6.0mm Implant



3.0mm Guided Kit

Part No.	Description
101-830	3.0mm Guided Surgery Kit
930-101	3.0mm Guided Tissue Punch
930-201	3.0mm Guided Spade Drill
930-360	3.0 x 6.0mm Guided Reamer
930-380	3.0 x 8.0mm Guided Reamer



101-830



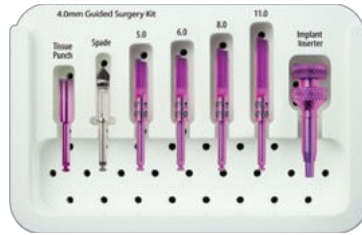
930-101 930-201



930-360 930-380

4.0mm Guided Kit

Part No.	Description
101-840	4.0mm Guided Surgery Kit
940-101	4.0mm Guided Tissue Punch
940-201	4.0mm Guided Spade Drill
940-425	4.0 x 2.5mm Guided Inserter
940-350	4.0 x 5.0mm Guided Reamer
940-360	4.0 x 6.0mm Guided Reamer
940-380	4.0 x 8.0mm Guided Reamer
940-311	4.0 x 11.0mm Guided Reamer



101-840



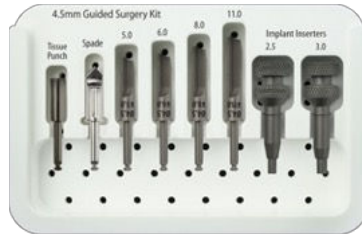
940-101 940-201 940-425



940-350 940-360 940-380 940-311

4.5mm Guided Kit

Part No.	Description
101-845	4.5mm Guided Surgery Kit
945-101	4.5mm Guided Tissue Punch
945-201	4.5mm Guided Spade Drill
945-425	4.5 x 2.5mm Guided Inserter
945-430	4.5 x 3.0mm Guided Inserter
945-350	4.5 x 5.0mm Guided Reamer
945-360	4.5 x 6.0mm Guided Reamer
945-380	4.5 x 8.0mm Guided Reamer
945-311	4.5 x 11.0mm Guided Reamer



101-845

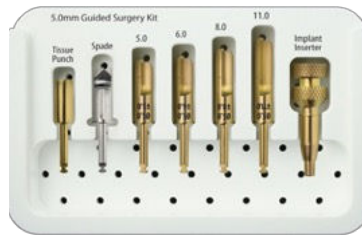


945-101 945-201 945-425 945-430 945-350 945-360 945-380 945-311



5.0mm Guided Kit

Part No.	Description
101-850	5.0mm Guided Surgery Kit
950-101	5.0mm Guided Tissue Punch
950-201	5.0mm Guided Spade Drill
950-430	5.0 x 3.0mm Guided Inserter
950-350	5.0 x 5.0mm Guided Reamer
950-360	5.0 x 6.0mm Guided Reamer
950-380	5.0 x 8.0mm Guided Reamer
950-311	5.0 x 11.0mm Guided Reamer



101-850



950-101 950-201 950-430



950-350 950-360 950-380 950-311

2.0mm Guided Pilot Drills

Part No.	Description
101-820	2.0mm Guided Pilot Drill Kit
920-350	2.0 x 5.0mm Guided Pilot Drill
920-360	2.0 x 6.0mm Guided Pilot Drill
920-380	2.0 x 8.0mm Guided Pilot Drill
920-311	2.0 x 11.0mm Guided Pilot Drill



920-350 920-360 920-380 920-311

Guide Rings*

Part No.	Description
920-005	2.0mm Guide Rings (5)
930-005	3.0mm Guide Rings (5)
940-005	4.0mm Guide Rings (5)
945-005	4.5mm Guide Rings (5)
950-005	5.0mm Guide Rings (5)



920-005 930-005 940-005
945-005 950-005

**Guide Rings not included with kits.*