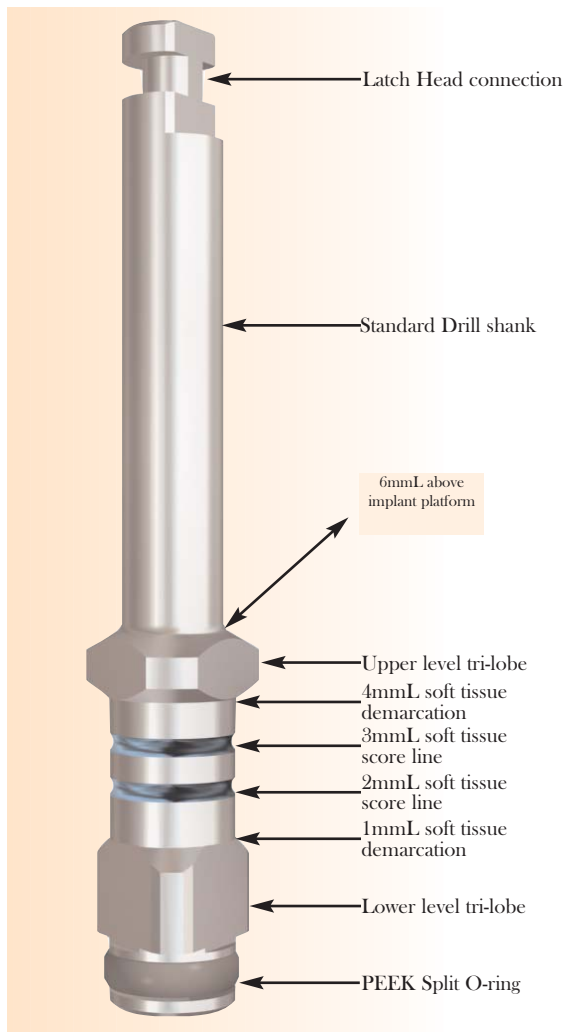


**Subject:**  
 Product Release: Tri-Lobe Insertion Drills [RTD]

**Date: 1-23-09**

**To: Implant Direct Customers**



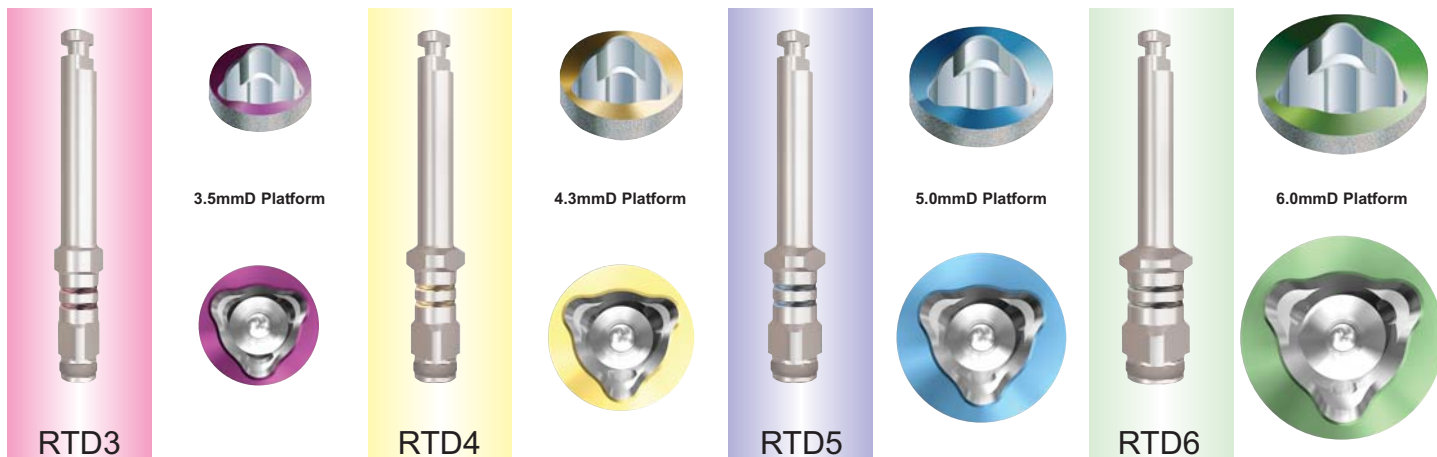
**Tri-Lobe Insertion Drills [RTD]**

Manufactured from stainless steel, the drill is designed to assist in the rotation of the implant into the osteotomy. Inserting the drill into the multi-level implant connection enables the clinician to use an alternate motor driven method for delivery, and final placement of tri-lobe implants.

When the fixture mount is not present; either by removal chair side or by using implants that do not have the mount in their original packaging, the lower level tri-lobe section of the drill will engage the tri-lobe within the implant. The PEEK plastic split O-ring at the tip of the drill will frictionally engage the implants cylindrical channel, enabling the clinician to carry the implant to or from the surgical site.

During flapless surgery the series of platform specific colored lines combined with the drill's geometries, assists the clinician in placing the implant level with the crest of the ridge. This is also used as an indicator for selecting the appropriate length healing components and/or abutment cuff heights.

The upper level tri-lobe on the drill provides a clear indicator of the rotational position of the implants tri-lobe. The clinician rotates the drill to place the lobes in the position best suited for abutment placement and prosthetic rehabilitation.



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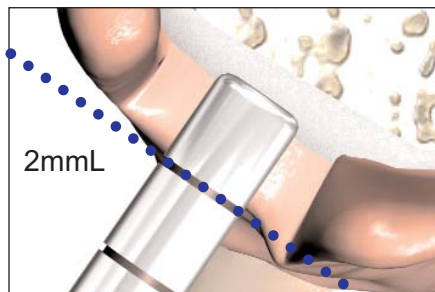
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# Tri-lobe Insertion Drill [RTD] Technique Sheet

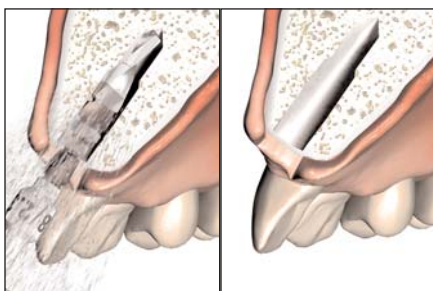
## Use of Tri-lobe Insertion Drill during flapless surgery



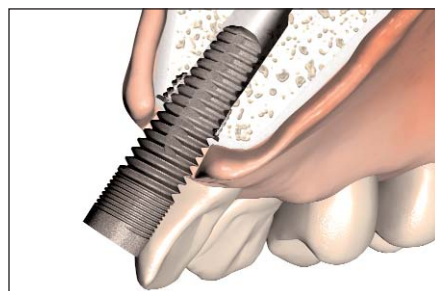
**1.** Obtain access to the drill site using a tissue punch to remove a section of soft tissue corresponding in dimension to the implant to be placed.



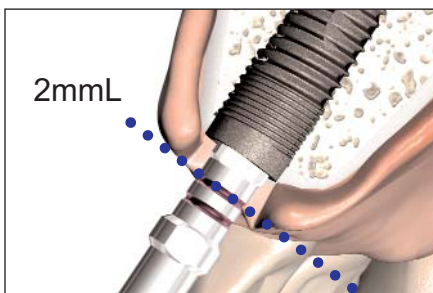
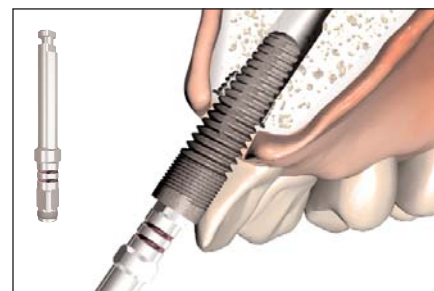
**2.** Place a periosteal probe or alternate measuring device into the open site to determine the depth of soft tissue. The Tri-lobe Insertion Tools have colored score lines and tool geometries to enable the clinician to visually determine 1mm, 2mm, 3mm and 4mm heights of surrounding soft tissue during the insertion process.



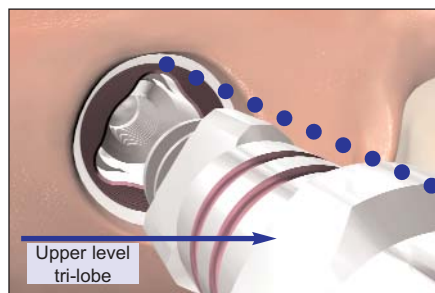
**3.** Follow the drill sequence chart to prepare the osteotomy for placement of corresponding diameter of implant.



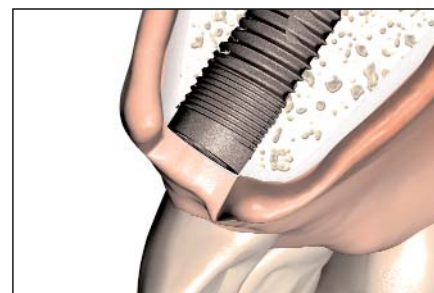
**4.** Select the implant for placement into the prepared osteotomy. Carry the implant to site using the attached fixture mount or with the color coded Tri-lobe Insertion Drill [RTD] for mount less delivery. Tri-lobe Insertion Drills can be used on all implants with compatible tri-lobe connections.



**5.** Use a surgical motor with reduction hand-piece to rotate the drill until implant is fully seated. The drills height demarcations assist in placing the top of the implant level with the crest of the ridge

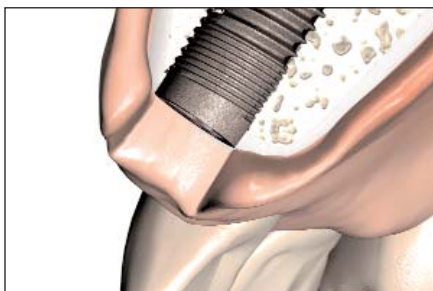


**6.** Use the upper level tri-lobe of the drill to obtain the desired orientation of the implants tri-lobe relative to surrounding dentition.

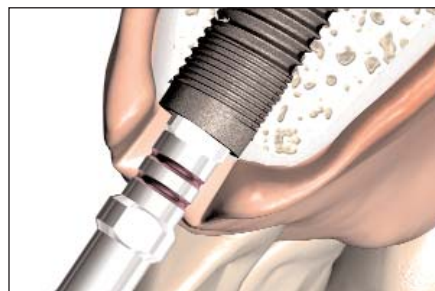


**7.** The implant is placed level with the crest of the ridge or as determined by clinician.

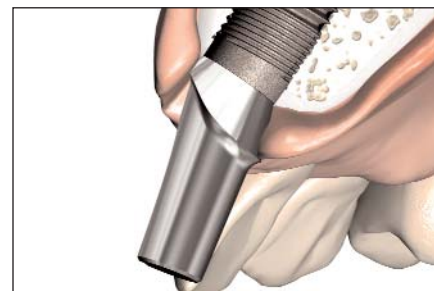
## Use of Tri-lobe Insertion Drill for abutment selection



**1.** Remove healing component to expose the top of the implant.



**2.** Use Tri-lobe Drill to determine height of surrounding soft tissue relative to implant platform. Select abutment based on cuff height requirement for final prosthesis.



**3.** Attach abutment and torque to 30Ncm. Follow routine prosthetic procedure to complete final prosthesis.