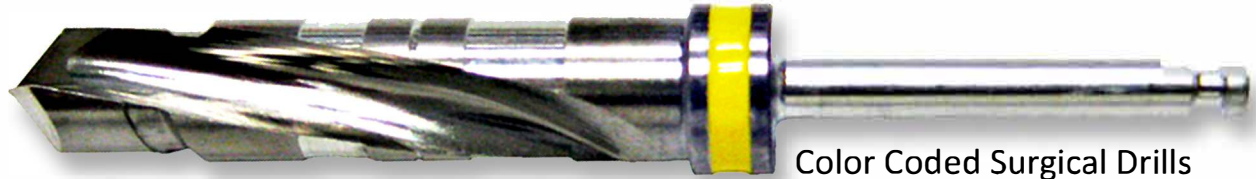


## SURGICAL DRILLS

The step drills are titanium carbon nitride coated to improve the visualization of the score lines and to increase cutting lubricity. They are available in 7 diameters. The first 4 mm is the smaller diameter stepping up to the larger diameter.



Pilot Drill	White	Grey	Green	Pink	Purple	Blue	Yellow
PD	2320	2823	3428	3834	4438	4844	5448

Implant Diameter	Pilot Drill 1.8	Drill 2.3/2.0 White	Drill 2.8/2.3 Grey	Drill 3.4/2.8 Green	Drill 3.8/3.4 Pink	Drill 4.4/3.8 Purple	Drill 4.8/4.4 Blue	Drill 5.4/4.8 Yellow
3.2mm	x	x	x	HB				
3.7mm	x	x	x	x	HB			
4.2mm	x	x	x	x	x	HB		
4.7mm	x	x	x	x	x	x	HB	
5.2mm	x	x	x	x	x	x	x	HB
5.7mm	x	x	x	x	x	x	x	x

Last drill is used in dense bone situations. For soft bone, delete last drill.

(Above photos not to scale)

Implant Instrumentation  
continued on next page...

# SURGICAL DRILLING INSTRUCTIONS

All of our drills are externally irrigated, multiple use drills. They are made of 465 stainless steel providing superior combination of strength, toughness and stress corrosion cracking resistance compared with other high-strength PH stainless alloys. Each drill is coated with titanium nitrate for better visibility of the score lines while providing less friction and lower heat.

Follow the corresponding drill sequence for soft bone and hard bone (HB) preparation

**Step 1:** With proper irrigation, perforate the alveolar crest.

**Step 2:** 1.8 Pilot Drill - Employ pilot drill OSD-DRILL-PD and with proper irrigation, drill a pilot hole to the appropriate depth marking on the drill. Check the orientation of the initial osteotomy using a Parallel Pin or Direction Indicator OSD-PDG-2320. If placing more than one implant and parallelism is desired, begin drilling the next site and align as the trajectory of the bone permits.

**Step 3:** Surgical Drills - Depending on implant diameter and the density of bone at the osteotomy site, it may be necessary to utilize one or more of the Surgical Drills to widen the osteotomy. To avoid over-preparation, widening drill diameters should be used only as necessary, and in proper succession. Select the desired Surgical Drill, accounting for the density of bone at the osteotomy site and the diameter of the implant to be placed

## Using Your Existing Drills

Many of our surgeons use their existing surgical drills and our final drill. If you wish to do this the drill to use prior to our final drill should be 4/10 of a millimeter smaller than our final drill.

## Screw Sizes

The implant mount is screwed into the implant with a 0.050" hex screw. Use our driver DRI-HEXT-050S or DRI-HEXT-050L.

## Compatible Hex Drivers

0.050" Hex Drivers from the following manufacturers are compatible with our hex screws: Steri-Oss®, Imtec®, Implant Direct®, Zimmer®, BioHorizons®, Astra®, Camlog® and Inova®

## Implant Mount & Implant Driver Insertion Tool Options

The implant mount driver is a 2.5mm hex. Many of you may already have a 2.5mm Hex driver which is compatible with ours. The 3.2 thru 5.2mm implants internal connection is 2.5mmD hex and the 5.7mm implant is 3.0mm hex.