

**Guide Right™**  
**3.0 mm Lindemann**  
**Depth Stop**  
**2° Tapered Drill Set**

**Instructions for Use**

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# 1. Unique Characteristics

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- Specially designed blades are aggressively cutting in vertical direction.
- Not easily deflected by dense bone, as they also cut horizontally against an angled bone surface with seriated flutes of the drill.
- The drills cut rapidly to the level of the depth stop.
- Drills are most accurate when used sequentially within a 3 mm Guide Sleeve (Straight or Angle-Cut), as the diameter of the 10 mm depth stop shaft is OD 2.95 mm.
- The drills increase in length by 2 mm; starting with 6 mm and increasing to 8, 10, 12, and 14 mm up to 16 mm, with a depth stop shaft that fit within 3 mm Guide Sleeves.
- Single drill replacements are available if lost or worn out.

## 2. Clinical Advantages

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- The depth stop is essential for use in sites over the mandibular canal to prevent excessive vertical penetration in type 1 or type 2 (harder) bone.
- The tapered design of the drill shaft causes drills to be drawn into bone until it engages the depth stop.
- Drills are not easily deflected laterally when used with a Guide Sleeve.
- The drills can be used in immediate site preparation to change the angle or position of the osteotomy by cutting into the socket wall.

### 3. Indications for Use

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- Where accuracy is important:
  - Designed for use in guided surgery with a 3 mm Straight or Angle-Cut Guide Sleeve within a lab fabricated analog guide or printed guide
  - Often used in narrow spaces for small diameter implant placement. Example: maxillary and/or mandibular incisor sites
  - Work well when used for starting the osteotomy with immediate placement in an extraction site, easily cutting into the slanted wall of the socket
  - Can be used for a starter drill for any implant site
  - If drills are used serially at 2 mm intervals, irrigation is not needed (6 mm, 8 mm, 10 mm, 12 mm)

## 4. Contraindications

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- Symptoms or conditions where Depth Stop Drills may not be advisable:
  - If drills are used above the mandibular nerve, they should be used with drill lengths that will not penetrate the mandibular canal
  - Caution should be used if the bone is soft, as the depth stop may not be effective

# 3.0 mm

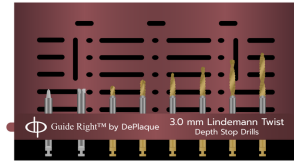
## Lindemann Twist Depth Stop Drill Set

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# Storage Container

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- 3 $\frac{5}{8}$ " x 4 $\frac{1}{4}$ " x 2 $\frac{3}{4}$ "
- PVD Coated Stainless steel box
- Used to store and clean drills
- 8 openings with silicone receptacle inserts to stabilize drills in storage container (with 2 spare slots)
- Autoclavable (recommended: milk bath prior to autoclaving to maintain sharpness)
- Contains drills with mm size indication inscribed for easy recognition



## 3.0 mm Drilling Protocol

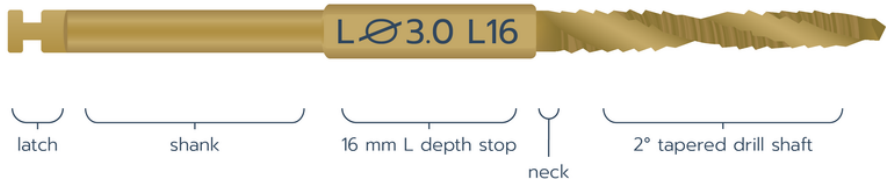
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- Suggested for use in narrow sites.
- Always start with the smallest drill length, followed by increasing drill lengths to the final drill length for the osteotomy site.
- Drills should be used sequentially.
- The 3 mm Depth Stop Drills are designed to be used with 2.9 mm to 3.0 mm Guide Sleeves for guided surgery.
- Can be used as starter drill without a Guide Sleeve.
- Increase the depth sequentially 2 mm with each succeeding drill until the appropriate depth is reached.
- Drilling with the sequential drilling protocol does not result in significant heat production.
- The drills are intended for implants up to OD 3 mm or as a starter drill for larger implant diameters.
- Always use the manufacturer's drill for final drill.
- For extra dense bone and deeper sights precooled drills (refrigerated) lends additional heat prevention.

## 3.0 mm Depth Stop Specifications

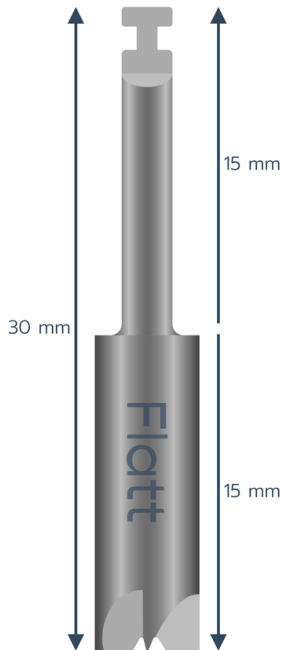
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- Specifications:
  - Depth Stop shaft: 3 mm, actual OD 2.95 mm
  - Fits within any 3 mm Guide Sleeve for guided surgery.
  - Drill lengths (marked on the depth stop shaft): 6 mm, 8 mm, 10 mm, 12 mm, 14 mm, 16 mm



## 6a. 3.0 mm Flattening Drill

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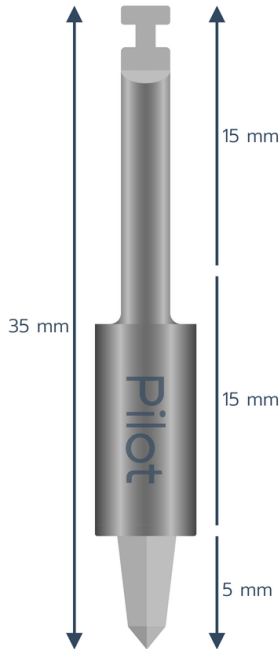


### MUST BE USED WITHIN 3.0 MM GUIDE SLEEVE

- Specifications:
  - Stainless Steel
- Use:
  - Can **only** be used within a 3.0 mm Guide Sleeve.
  - Designed to remove soft tissue and to flatten the alveolar ridge when a pointed alveolar crest would deflect the initial drill off to one side or the other.
  - Once the crestal/angled bone is flattened, a Pilot Drill can be used to start the osteotomy without deflection.
  - Sold separately

## 6b. 3.0 mm Pilot Drill

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- Specifications:
  - Stainless steel
- Use:
  - Tri-spade pointed tip designed to initiate the osteotomy through the dense cortical bone
- Recommendations (not always necessary):
  - Use Flattening Drill prior to the Pilot Drill if the alveolar crest is sharp or slanted.
  - Start the dental implant osteotomy site preparation with the Pilot Drill.
  - Mark the site of penetration if desired.
- Caution:
  - When the Pilot Drill becomes dull, it should be replaced to prevent sequential depth stop drills from becoming dull.
  - Sold separately

## 7a. Maintenance Prior to First Time Use

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- **STAGE 1: Light Cleaning and Rinsing** - Drill should be brushed and visually inspected for cleanliness, then dipped in detergent, rinsed and dried.
- **STAGE 2: Preparation** - Dip drills in Surgical Milk solution or 70% Isopropyl Alcohol for approximately 30 seconds, remove, let drain to dry. Do not rinse or wipe drills again.
- **STAGE 3: Sterilization** - Drills should be placed in storage container and sterilized in an autoclave at 132°C (269.6°F) for a 4 minute duration in a standard approved sterilization wrap. Dry time: 30 minutes.
- **STAGE 4: During Use** - Drills should be soaked in a sterile water solution until the cleaning stage.

To minimize staining residue, it is strongly recommended to use sterile water surgical irrigation instead of sodium chloride for irrigation.

## 7b. Cleaning + Storage of Drills After Use

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- **STAGE 1: Cleaning** - Drills should be brushed and rinsed with detergent to remove any remaining blood or tissue. Complete visual inspection for cleanliness.
- **STAGE 2: Ultrasonic Cleaning** - Drills should be cleaned in an ultrasonic bath using appropriate enzymatic detergent (10% solution) following detergent manufacturer's instructions.
- **STAGE 3: Rinsing** - Drills should be rinsed with running water to completely remove detergent. Dip drills in Surgical Milk solution or 70% Isopropyl Alcohol for approximately 30 seconds, remove, let drain to dry. Do not rinse or wipe drills again.
- **STAGE 4: Sterilization** - Drills should be replaced in storage container and sterilized in an autoclave at 132°C (269.6°F) for 4 minutes in a standard approved sterilization wrap. Dry time: 30 minutes.

To minimize staining residue, it is strongly recommended to use sterile water surgical irrigation instead of sodium chloride for irrigation.

## 7c. First-Time Surgical Use + Accessory Maintenance

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- **STAGE 1: Light Cleaning and Rinsing** - Accessories should be rinsed under cold tap water. During the rinse, use an appropriately sized lumen brush to brush the lumen of the article and a soft-bristled brush to brush the exterior surface of the article.
- **STAGE 2: Preparation** - Prepare a detergent solution using Palmolive Dish detergent or comparative brand, using 1 tbs per gallon of tap water. Brush the lumen of the article using appropriately sized lumen brush that has been wetted with the prepared detergent solution. Brush the exterior surface of the article using a soft-bristled brush that has also been wetted with the detergent solution.
- **STAGE 3: Ultrasonic Cleaning** - Prepare a detergent solution using Enzol or comparative brand in an ultrasonic unit, following the manufacturer's recommendation of 1 oz. per gallon using warm tap water. Immerse the articles in the detergent solution and allow them to sonicate for 5 minutes. While sonicating, ensure that there is no contact between articles. Rinse the articles under cold tap water. Allow the articles to air dry completely.
- **STAGE 4: Sterilization** - Accessories should be sterilized in an autoclave at 132°C (269.6°F) for a 4 minute duration in a standard approved sterilization wrap. Dry time: 30 minutes.

## 8. Terms + Conditions of Sale

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- CAUTION: Federal law restricts the sale of this device to or on the order of a licensed dentist.
- Treatment planning and clinical use of the Guide Right™ Drills and accessories are the responsibility of each individual clinician.
- **Surgeon preference and clinical judgment overrules the suggestive Guide Right Surgical protocol.** Guide Right™ strongly recommends completion of ADHERENCE to this manual.
- Guide Right™ is not responsible for incidental or consequential damages or liability relating to the use of the Guide Right™ Drills and accessories alone or in conjunction with other products other than replacement under warranty.
- Guide Right™ Drills and accessories are warranted for a period of thirty (30) days from the date of initial invoice.



## 9. Return Policy

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- If you are not completely satisfied with your purchase for any reason, you may return it within 30 days for a full refund.
- **TO INITIATE RETURN:**
  - Contact DePlaque Customer Service at: (585) 924-3190 or [customerservice@deplaque.com](mailto:customerservice@deplaque.com)
  - Return in original container with all drills in original set up location.
  - Customer is responsible for secure packaging and return postage.
  - When returned within 30 days, original payment method will be credited.

