

StarDental Instruments

Titan® Five Star LubeFree Propphy Angle Instruction Manual

Caution: Federal law restricts this device to sale by or on the order of a dentist.

Non-Sterile Medical Device

CE 0344

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DO NOT USE FOR ORAL SURGERY

BEFORE OPERATING THE PROPHY ANGLE, CAREFULLY READ AND FOLLOW ALL OF THESE INSTRUCTIONS. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE AND OBSERVE ALL WARNINGS AND CAUTIONS.

Indications For Use

Used intraorally by trained dental professionals for drilling and preparation of dental cavities for restoration, such as fillings, disking, cavity and crown preps, polishing, post and pin drilling and pin setting.

WARNING Under normal operating conditions, air is exhausted from the back of the head of this handpiece. If air is directed into an open soft tissue wound or beneath the mucosa or dermis, injury to the patient could result from air emphysema or air embolism.

WARNING This angle has no internal air or water cooling capabilities. External water for cooling maybe required.

NOTICE Any serious incident occurring from the use of this device should be reported to StarDental immediately. If incident occurred in a EU Member State the Competent Authority must be notified.

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Features

Rated for use with StarDental Motors and Attachments

Titan LubeFree Five Star Propphy Angle:

StarDental® Titan 3 Part #265801

Controlled Speed Reduces Propphy Paste 'Spin-off'

Field Replaceable Cartridge

Quick, Easy Cleaning

Compatible with Titan 3 and Titan T Systems

Steam Sterilization: 135° C

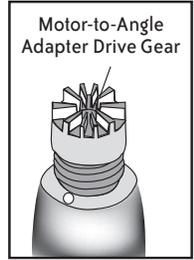


Motor	Accessories	Ratio	Max Allowable RPM
5K	MTA	1:1	5,000
20K	Torque Multiplier & MTA	4:1	5,000

Installation and Operation

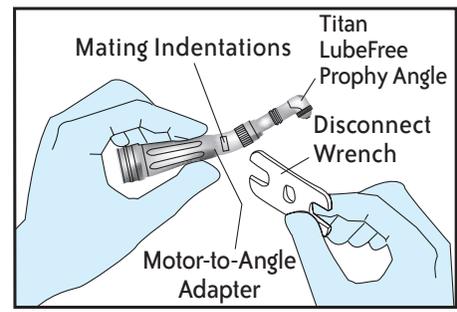
Propphy Angle Installation for Titan 3 or Titan T Systems

1. For the Titan 3 or Titan T systems thread angle onto motor-to-angle adapter, **StarDental** Titan 3 Part #264073 or Titan T Part # 263970, by hand. Seat completely.



NOTE: When angle does not seat on adapter, gears are not meshed correctly. Remove angle; spin motor-to-angle adapter drive gear and repeat step one.

2. Fit angle disconnect wrench, **StarDental** Part #203048, furnished with every angle, to mating indentations on angle neck; tighten securely.

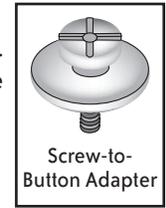


Propphy Cup Installation

The propphy angle uses either a screw-on or a snap-on type polishing cup. When using a snap-on type cup, use the screw-to-button adapter, **StarDental** Part #258950.

Thread the screw-to-button adapter, or polishing cup, with a clockwise rotation until snug into the hollow cartridge shaft of the propphy angle.

CAUTION Operate the Titan motor in the forward direction only. If the Titan motor is operated in reverse direction, the propphy cup will separate from the propphy angle.



Propphy Cup Removal

Unthread the adapter, or polishing cup, counterclockwise. If the screw-to-button adapter is difficult to disengage, remove the propphy cup, and use a small screwdriver to loosen the screw-to-button adapter.

SAFETY INSTRUCTIONS

PLEASE OBSERVE SAFETY RULE

Before use, verify concentric rotation by operating the handpiece outside the oral cavity in a safe place.

Cleaning & Sterilization

CAUTION	It is the responsibility of the user to use only FDA compliant sterilizing equipment and accessories that are capable of meeting the manufacturers recommendations below.
CAUTION	Do not exceed 135°C Do not use: • dry heat sterilizer • cold sterilizers • ultrasonic cleaners • immersion techniques • sterilizer bags containing disinfectants • detergents • surface wipes • surface sprays • chemical disinfectors • hand soaps • surgical milk
Limits on Reprocessing	Repeated processing has minimal effect on these angles. End of life is normally determined by wear and damage due to use.

INSTRUCTIONS

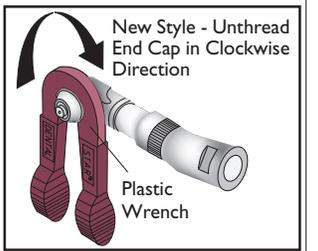
WARNING The angle must be cleaned and sterilized before first use and between patient use.

Containment & transportation: It is recommended that angles are reprocessed as soon as is reasonably practical following use.

Preparation for cleaning: Wear puncture resistant gloves to prepare the propphy angle for sterilization. Remove propphy cup or screw-to-button adapter from propphy angle. Remove angle from motor-to-angle adaptor.

Cleaning Automated: Washer-disinfectors are not recommended.

- Cleaning Manual:**
1. Clean and inspect once before first use and after each patient.
 2. Clean all external surfaces with isopropyl alcohol and a lint-free cloth or brush.



3. Use the plastic wrench to unthread the end cap by turning clockwise. **See illustration:**

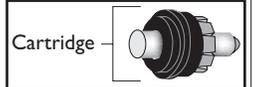
Note: Older style angle - denoted by having no marking on the end cap of the angle (**See illustrations below**) - will unthread by turning counterclockwise.



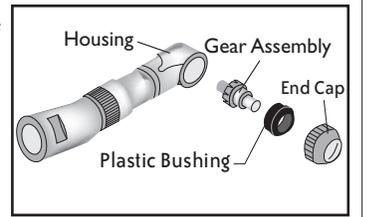
4. Remove the cartridge per instructions in 'Cartridge Replacement' and inspect as follows:

NOTICE

Do not use pliers on the plastic bushing, damage to the bushing might occur.



5. If propphy paste is not found on the cartridge, internal cleaning is not necessary. Simply wipe off with lint-free cloth.



6. If propphy paste is found on the cartridge, clean off the paste manually. The gear assembly and end cap may be ultrasonically cleaned.

