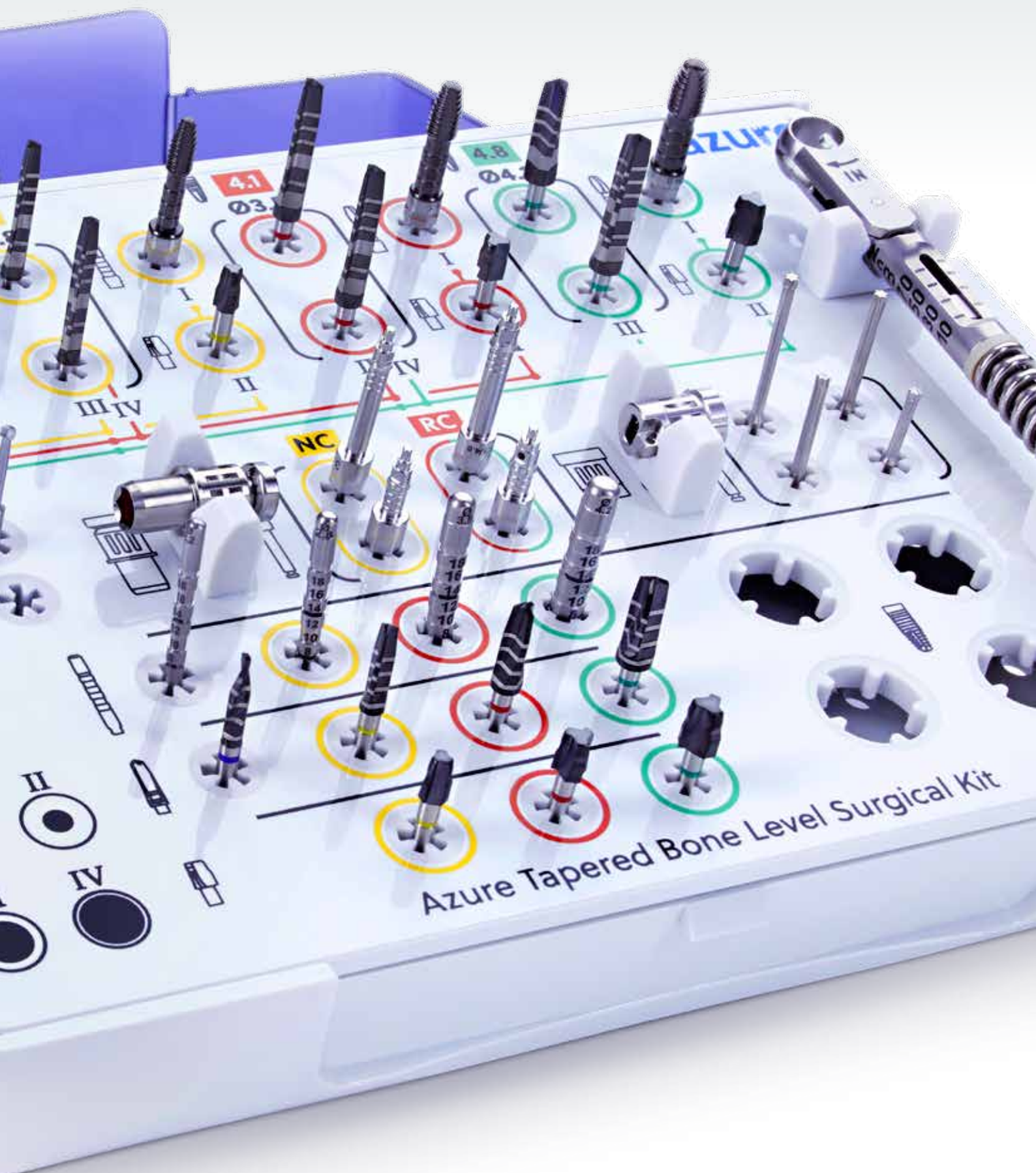


Azure™ Tapered Bone Level Implant System

Surgical Manual



 **ZimVie**



Azure Tapered Bone Level Surgical Kit

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4.8

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Ø4

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Table of Contents

Azure Tapered Bone Level (TBL) System Overview	2
Introduction	2
Indications for Use	3
Implant Specifications	3
Azure TBL Conical Cross Connection	4
Implant System	4
Azure TBL Color-Coding	5
Cleaning, Sterilization, and Reusability Guidelines	6
Sterile Products	6
Non-Sterile and Reusable Products	6
Surgical Kit and Procedures	8
Surgical Protocols	8
Surgical Kit layout	10
Drilling Depth Guidelines	12
Depth Gauges	13
Depth Accuracy	14
Drilling Protocols	16
Implant Placement	20
Removing Implant from Packaging	20
Seating the Implant	21
Manual Transfer of the Implant	22
Manual Implant Seating	23
Implant Pick-Up and Placement with Motor Handpiece	24
Implant Healing	25
Cover Screw or Healing Abutment Seating	25
Securing the Implant	25
Appropriate Torque Setting	25
Guided Surgery Kit and Procedures	26
Guided Surgical Kit Layout	28
Guided Surgical Kit Instrumentation	30
Guided Surgical Protocols	34
Guided Surgery Planning Considerations	38
Guided Implant Placement	40
Restorative Reference Guide	46

Tapered Bone Level (TBL) Implant System Overview

This surgical manual provides a system overview and surgical procedures for the Azure Tapered Bone Level Implant.

Before using products in the Azure Tapered Bone Level (TBL) System, the operating surgeon/practitioner in charge should carefully study the Instructions for Use, including indications, contraindications, recommendations, and warnings, become familiar with the scope of the system shown in the catalog, learn all other product-specific information and procedures in this manual, and fully comply with them. Intended users are licensed dental surgeons or practitioners experienced in dental implant placement and related techniques.

The completion of appropriate user-training courses is recommended.



Azure Tapered Bone Level Implants

Available in the following sizes:
Body diameters: 3.3, 4.1, and 4.8 mmD
Lengths: 8, 10, 12, 14, and 16 mmL

The manufacturer, the importer, and the suppliers of the Azure Tapered Bone Level Implant System are not liable for complications, injuries, the need for replacement procedures, implant failures, other negative effects or damages that might occur for reasons such as incorrect indications or surgical technique, unsuitable choice of material or handling thereof, unsuitable use or handling of the instruments, use of expired products, patient anatomy, overloading, asepsis, and so on.

The operating surgeon is responsible for any such complications or other consequences. It is also the operating surgeon's responsibility to properly instruct and inform the patient on the functions, handling, and necessary care of the product and on all known product and procedure risks.



NOTE: For additional information, including contraindications, precautions, and warnings, please consult the Instructions for Use at [ZimVie.com/en/dental/resources/instructions-for-use.html](https://www.zimvie.com/en/dental/resources/instructions-for-use.html), or scan the QR code.

Indications for Use

Azure Tapered Bone Level Implants are intended for use in the upper or lower jaw in patients who are partially or completely edentulous. They are designed to support single and multi-unit restorations as well as to retain overdentures.

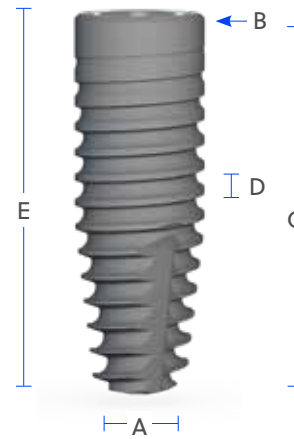
Azure Tapered Bone Level Implants can be used for immediate or delayed loading techniques. Immediate loading is only recommended when adequate primary stability is achieved.

The 3.3 mm diameter implants are intended for use in reduced inter-dental spaces, where there is not enough alveolar bone for a larger diameter implant. The use of 3.3 mm diameter implants in posterior rehabilitation is not recommended, and should only be used in the molar region if splinted. Larger diameter implants are intended for both upper and lower jaw rehabilitations for functional and aesthetic rehabilitation in partially or totally edentulous patients.

Implant Specifications

The Azure Tapered Bone Level Implant is made of Grade 4 cold-worked titanium, with a coronal machined bevel followed by a sand-blasted and acid-etched (SLA) surface texture along the full length of the implant ($S_a \geq 1.1 \mu\text{m}$; $S_{dr} \geq 30\%$; $S_z > 8 \mu\text{m}$).

The tapered and self-tapping implant geometry are designed to achieve high primary stability in all bone types when following the prescribed drilling protocol.



Diameter	Platform	Length	A Tip Diameter	B Collar Height	C Thread Height	D Thread Pitch	E Total Length
3.3	NC	8	2.05	0.15	7.7	0.8	8
3.3		10	1.82	0.15	8.9	0.8	10
3.3		12	1.82	0.15	11.6	0.8	12
3.3		14	1.92	0.15	13.1	0.8	14
3.3		16	1.81	0.15	15.5	0.8	16
4.1	RC	8	2.55	0.15	7.7	0.8	8
4.1		10	3.00	0.15	8.9	0.8	10
4.1		12	3.00	0.15	11.6	0.8	12
4.1		14	2.71	0.15	13.1	0.8	14
4.1		16	2.71	0.15	15.5	0.8	16
4.8	RC	8	3.76	0.15	7.85	0.8	8
4.8		10	2.37	0.15	9.4	0.8	10
4.8		12	2.89	0.15	11.6	0.8	12
4.8		14	3.25	0.15	13.4	0.8	14
4.8		16	3.04	0.15	15.3	0.8	16

*Numerical values in millimeters

NOTE: Images shown throughout this manual are representational in nature and may not be to scale or display the exact geometry or color of the actual components.

NC = Narrow Connection, RC = Regular Connection

Azure TBL

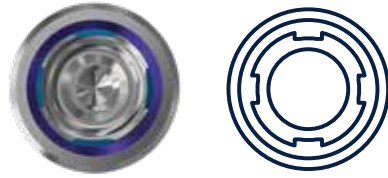
Conical Cross Connection

Implant System

The Azure Tapered Bone Level Implant is compatible with Azure SBL-Conical Abutments, incorporating platform switching with crestal bone preservation.

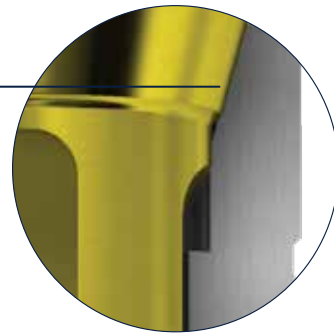
Azure SBL-Conical Abutments feature the Conical Cross Connection, with internal 15° conical interface and four internal grooves to guide seating, provide stability, and reduce the chances of screw loosening. The Conical Cross Connection is designed to provide a seal against microleakage, a strategy to minimize bone loss.¹

Platform Switching
for crestal bone preservation



Conical Cross Connection

is compatible with Azure SBL-Conical Abutments (symbol shown above, right)



15° Conical Interface
to seal out microorganisms

Four Seating Grooves
for guided seating and stability

¹ Zipprich H, Miatke S, Hmaidouch R, Lauer HC. A new experimental design for bacterial microleakage investigation at the implant-abutment interface: an in vitro study. Int J Oral Maxillofac Implants 2016;31(1):37-44.






Azure TBL Color Coding

Color coding on the Azure Tapered Bone Level Surgical Kit helps guide the user in following the surgical sequences for each implant diameter:

- Ø3.3 mm - yellow**
- Ø4.1 mm - red**
- Ø4.8 mm - green**

The 3.3 mmD Azure Tapered Bone Level Implants feature the NC Azure SBL-Conical Cross Connection (yellow). Both the 4.1 mmD and 4.8 mmD implants have the RC connection (red).

Surgical	Implant and Platform Diameter	Ø3.3 mm	Ø4.1 mm	Ø4.8 mm
Restorative	SBL-Conical Connection	 NC	 RC	 RC



Azure TBL

Cleaning, Sterilization, and Reusability Guidelines*

For detailed cleaning and sterilization instructions, refer to the “Instructions for Use” (IFU) for the Azure Tapered Bone Level Implant System at:

[ZimVie.com/en/dental/resources/instructions-for-use.html](https://www.zimvie.com/en/dental/resources/instructions-for-use.html).

Please consult all package labeling for initial product sterility status.

Sterile Products

Products supplied in sterile condition have been sterilized by irradiation and are intended for single use. Sterile products must not be re-sterilized or reused under any circumstances. No responsibility will be accepted for re-sterilized implants, regardless of who performed the re-sterilization or what method was used.

Non-Sterile Products

Single-Use Components

Single-use prosthetic and other components labeled non-sterile should be sterilized before use. The recommended method for single-use prosthetic components is steam autoclave treatment – gravity displacement at **121° C for 30 minutes, drying 30 minutes** (according to ISO 17665-1 and ISO/TS 17665-2). Wait for the complete end of the drying cycle.

Reusable Instruments

Reusable instruments and Surgical Trays should be cleaned and sterilized before each use. It is recommended to use the Surgical Tray for organizing instruments and components during cleaning/sterilization and during implant/prosthetic procedures.

The recommended sterilization method is the Fractioned Vacuum process (pre-vacuum steam) for **at least 3 minutes at 132°C (270°F) up to 134°C (273°F), drying time 20 minutes**. The use of sterilization tokens is recommended, recording date and expiration date, in addition to periodic controls of the sterilization process by means of biological indicators.

Inspect reusable devices prior to each reuse and after sterilization to ensure that the integrity and performance of the product is maintained. Check the product for visible wear, deformation, or corrosion. Products showing these signs should be discarded.

NOTE: The Azure Torque Indicating Ratchet should follow its own specific Azure Torque Indicating Ratchet [ASTBL-TIR] Instructions for Use (IFU) also at [ZimVie.com/en/dental/resources/instructions-for-use.html](https://www.zimvie.com/en/dental/resources/instructions-for-use.html).

*This section of manual and sterilization guidelines are only applicable to the manual (non-guided) surgical kit.

Manual Cleaning and Disinfection Tips for Non-Sterile and Reusable Products

Prior to sterilization, cleaning and disinfection are essential. Manual cleaning and disinfection tips:

1 Never place instruments of different types of materials together.

2 Brush and rinse with water the excess dirt and particles on the entire surface of the instruments for 25 to 35 seconds. Do not use metallic brushes to remove impurities.

3 Use disposable syringes for cleaning instrument cavities.

4 Immerse the instruments in a disinfectant bath suitable for dental material.

When selecting detergents and disinfectants, make sure that they are products intended for this purpose and always follow the manufacturer's instructions.

5 Do not use solutions containing ammonia, hydrogen-peroxide, or acidic substances.

These substances can damage the surface coating of the drills.

6 Rinse thoroughly with water after application of the disinfectant.

7 When cleaning the surgical tray, remove silicone holders carefully out of the cavity. Always use mild detergents even if cleaning is done using ultrasonic equipment.

Dry the boxes with a soft cloth. Do not use abrasive sponges or metal parts that might damage the surface of the box.

Azure TBL

Surgical Kit and Procedures

The Azure Tapered Bone Level Surgical Kit is designed to be intuitive and user-friendly. Visual indications and color coding are easy to follow.

The complete kit configuration contains the basic instrumentation and drills required to place all diameters in all bone types.

Surgical Protocols

Indicated for ALL Bone Types

Start the drilling protocol from the **arrow at left** and begin the drilling sequence with the optional 1.6 mmD needle drill or initial 2.2 mmD drill and continue using drills indicated by colored circles for the appropriate implant diameter and bone type.

- Flush silicone insert grommets are easy to clean
- Extra grommets allow for customization with additional instrumentation and drill lengths
- Optional drills and instruments in a shorter configuration are also available

[Intuitive and User-Friendly
Color-Coded Surgical Kit]

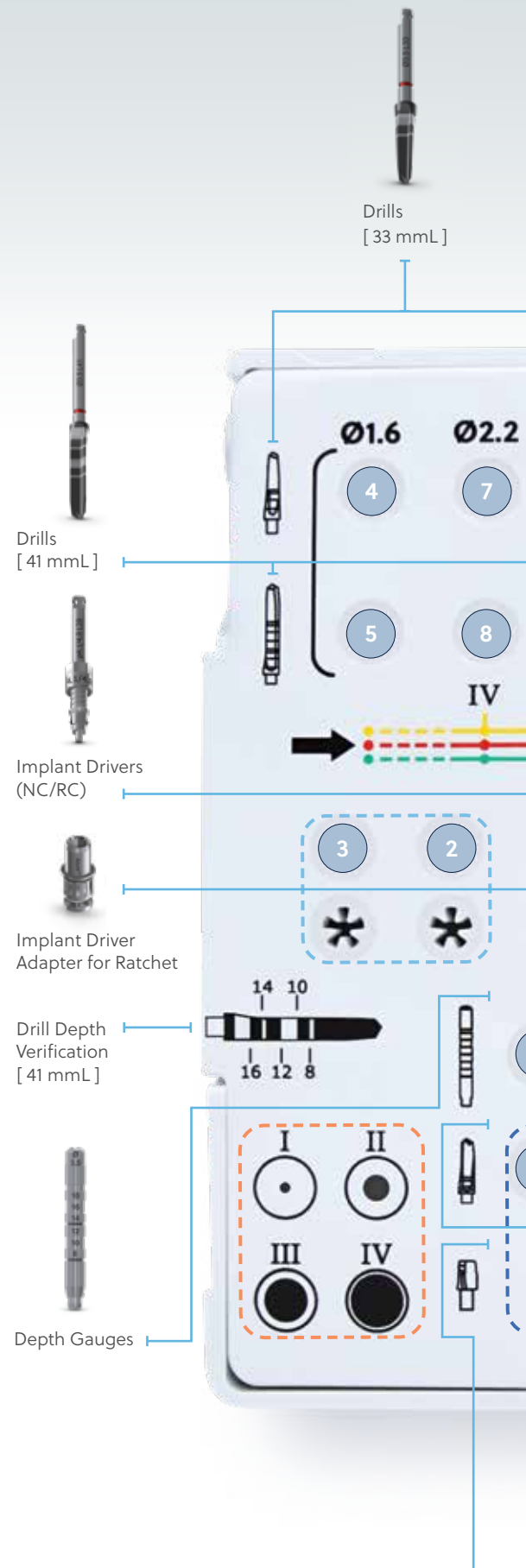




Azure TBL Surgical Kit Components

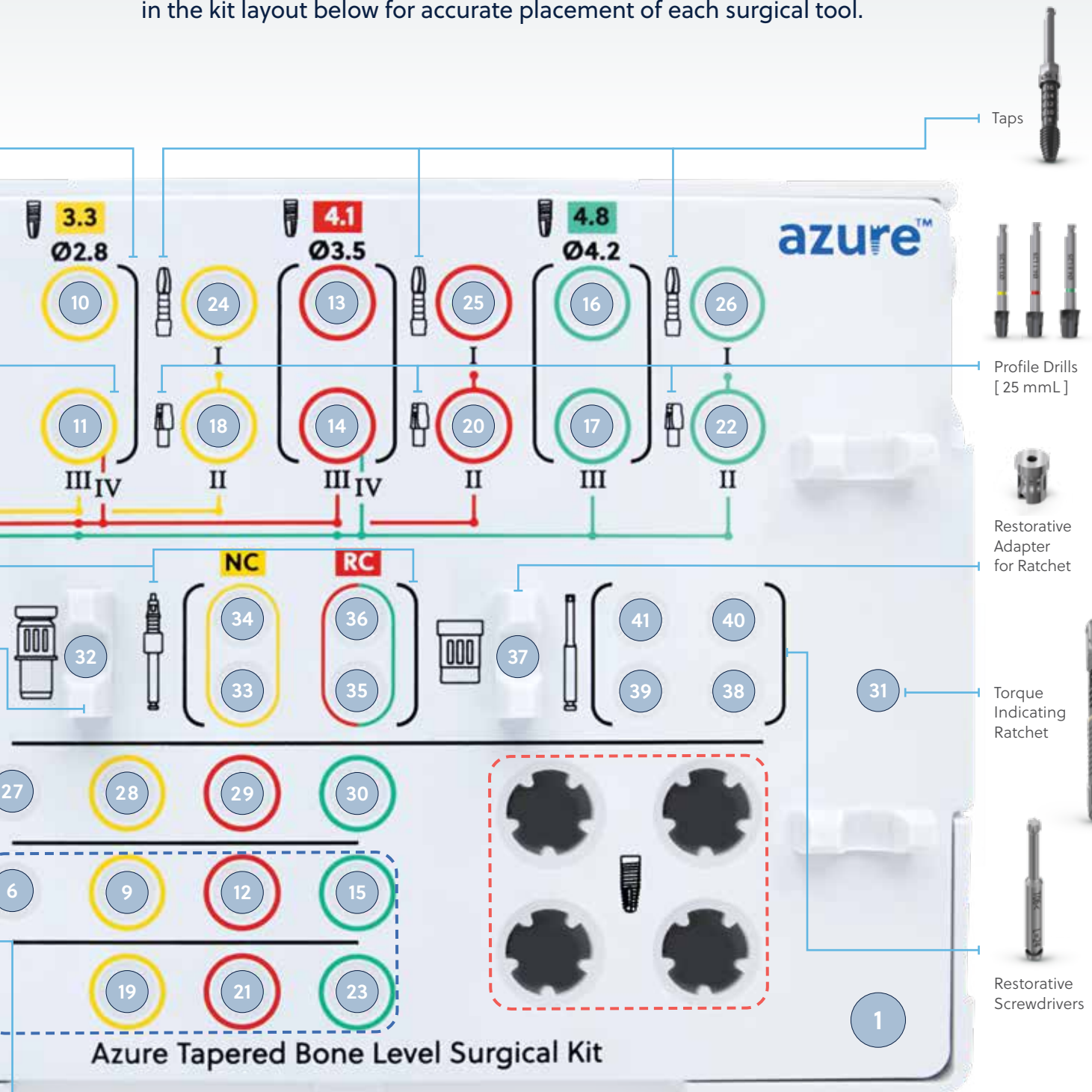
KIT KEY	DESCRIPTION	ITEM NO.	ASTBL-SURKIT
1	Surgical Tray, Empty	ASTBL-SURTRAY	•
2	Round Bur Ø2.0 mm	1203G	
3	Drill Extender	DEG	
4	Needle Drill, Ø1.6 x 33 mm	ASTBL-ND1633	
5	Needle Drill, Ø1.6 x 41 mm	ASTBL-ND1641	•
6	Pilot Drill, Ø2.2 x 29 mm	ASTBL-PID2229	
7	Pilot Drill, Ø2.2 x 33 mm	ASTBL-PID2233	•
8	Pilot Drill, Ø2.2 x 41 mm	ASTBL-PID2241	•
9	Drill, Ø2.8 x 29 mm	ASTBL-D2829	
10	Drill, Ø2.8 x 33 mm	ASTBL-D2833	•
11	Drill, Ø2.8 x 41 mm	ASTBL-D2841	•
12	Drill, Ø3.5 x 29 mm	ASTBL-D3529	
13	Drill, Ø3.5 x 33 mm	ASTBL-D3533	•
14	Drill, Ø3.5 x 41 mm	ASTBL-D3541	•
15	Drill, Ø4.2 x 29 mm	ASTBL-D4229	
16	Drill, Ø4.2 x 33 mm	ASTBL-D4233	•
17	Drill, Ø4.2 x 41 mm	ASTBL-D4241	•
18	Profile Drill, Ø3.3 x 25 mm	ASTBL-PRD3325	•
19	Profile Drill, Ø3.3 x 33 mm	ASTBL-PRD3333	
20	Profile Drill, Ø4.1 x 25 mm	ASTBL-PRD4125	•
21	Profile Drill, Ø4.1 x 33 mm	ASTBL-PRD4133	
22	Profile Drill, Ø4.8 x 25 mm	ASTBL-PRD4825	•
23	Profile Drill, Ø4.8 x 33 mm	ASTBL-PRD4833	
24	Tap NC, Ø3.3 x 25 mm	ASTBL-TAP33	•
25	Tap RC, Ø4.1 x 25 mm	ASTBL-TAP41	•
26	Tap RC, Ø4.8 x 25 mm	ASTBL-TAP48	•
27	Depth Gauge, Ø2.2 x 27 mm	ASTBL-DG22	•
28	Depth Gauge, Ø2.8 x 27 mm	ASTBL-DG28	•
29	Depth Gauge, Ø3.5 x 27 mm	ASTBL-DG35	•
30	Depth Gauge, Ø4.2 x 27 mm	ASTBL-DG42	•
31	Torque Indicating Ratchet	ASTBL-TIR	•
32	Implant Driver Adapter for Ratchet	ASTBL-IDA	•
33	Implant Driver NC, Ø3.3 x 28 mm	ASTBL-IDNC3328	•
34	Implant Driver NC, Ø3.3 x 37 mm	ASTBL-IDNC3337	•
35	Implant Driver RC, Ø4.1 x 28 mm	ASTBL-IDRC428	•
36	Implant Driver RC, Ø4.1 x 37 mm	ASTBL-IDRC437	•
37	Restorative Adapter for Ratchet	ASTBL-RA	•
38	Restorative Screwdriver, 20 mm	ARA-DT20TC06	
39	Restorative Screwdriver, 24 mm	ARA-DT24TC06	•
40	Restorative Screwdriver, 30 mm	ARA-DT30TC06	
41	Restorative Screwdriver, 35 mm	ARA-DT35TC06	•

Note: Items with the blue dot are included in the complete kit configuration. Part Number ASTBL-SURKIT is for ordering purposes only. Kit parts are invoiced separately.

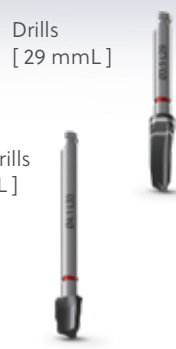


Surgical Kit Layout

Follow the numeric key in the table, then locate the corresponding numbers in the kit layout below for accurate placement of each surgical tool.



- Taps
- Profile Drills [25 mmL]
- Restorative Adapter for Ratchet
- Torque Indicating Ratchet
- Restorative Screwdrivers



- EXTRA TOOLS
- BONE TYPE/ PROTOCOL REFERENCE
- EXTRA DRILLS
- IMPLANT STAGING

Azure TBL Surgical Kit

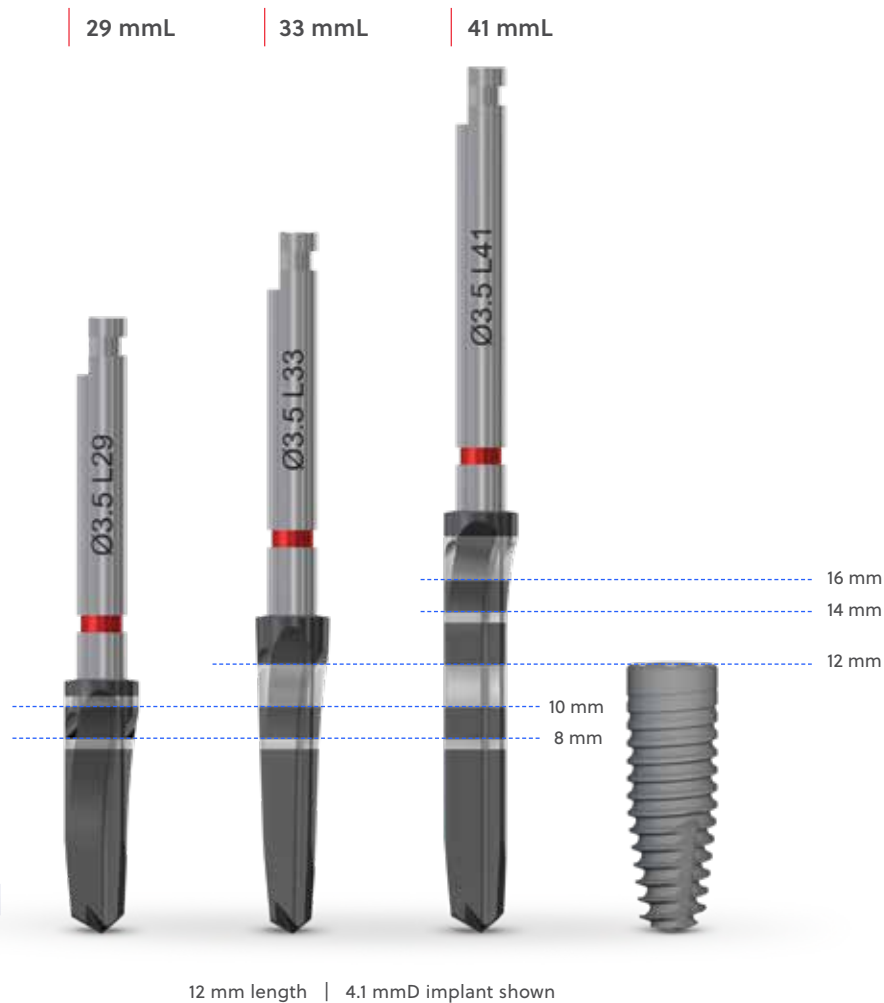
Drilling Depth Guidelines

Drills in the Azure Tapered Bone Level Implant System are made of stainless steel with a diamond-like carbon coating (DLC), and have etched markings to guide drilling depth in 2 mm intervals.

- The **29 mmL drills** have markings for 8 mm and 10 mm implant placement depth lengths.
- The **33 mmL drills** have markings for 8 mm, 10 mm, and 12 mm implant placement depth lengths.*
- The **41 mmL drills** have markings for 8 mm, 10 mm, 12 mm, 14 mm, and 16 mm implant placement depth lengths.*

* 33 and 41 mmL drills are included in the complete kit configuration, additional 29 mmL drill offered separately.

For drilling depth accuracy, drill to the top or bottom of laser marking line, v according to the illustration below for equivalent implant length.



NOTE: Needle Drills and Round Bur are available as optional Starter Drills and may be utilized prior to the initial 2.2 mm Pilot Drill in each drilling sequence.

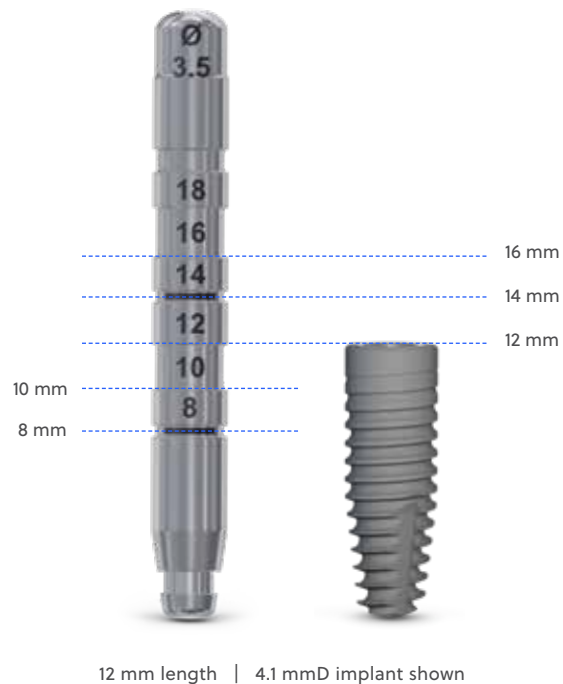
Depth Gauges

Accurate Depth Verification

Depth Gauges are used during the surgical sequence to verify drilling depth. The depth markings and notches or steps, located directly below the etched number on the Depth Gauge are used to indicate the drilling depth achieved in comparison to the corresponding implant length.

The illustration below demonstrates how to interpret the markings.

Depth Gauges in the Azure Tapered Bone Level Implant System are available in 2.2 mm, 2.8 mm, 3.5 mm, and 4.2 mm diameters. All four sizes come in 27 mm lengths.



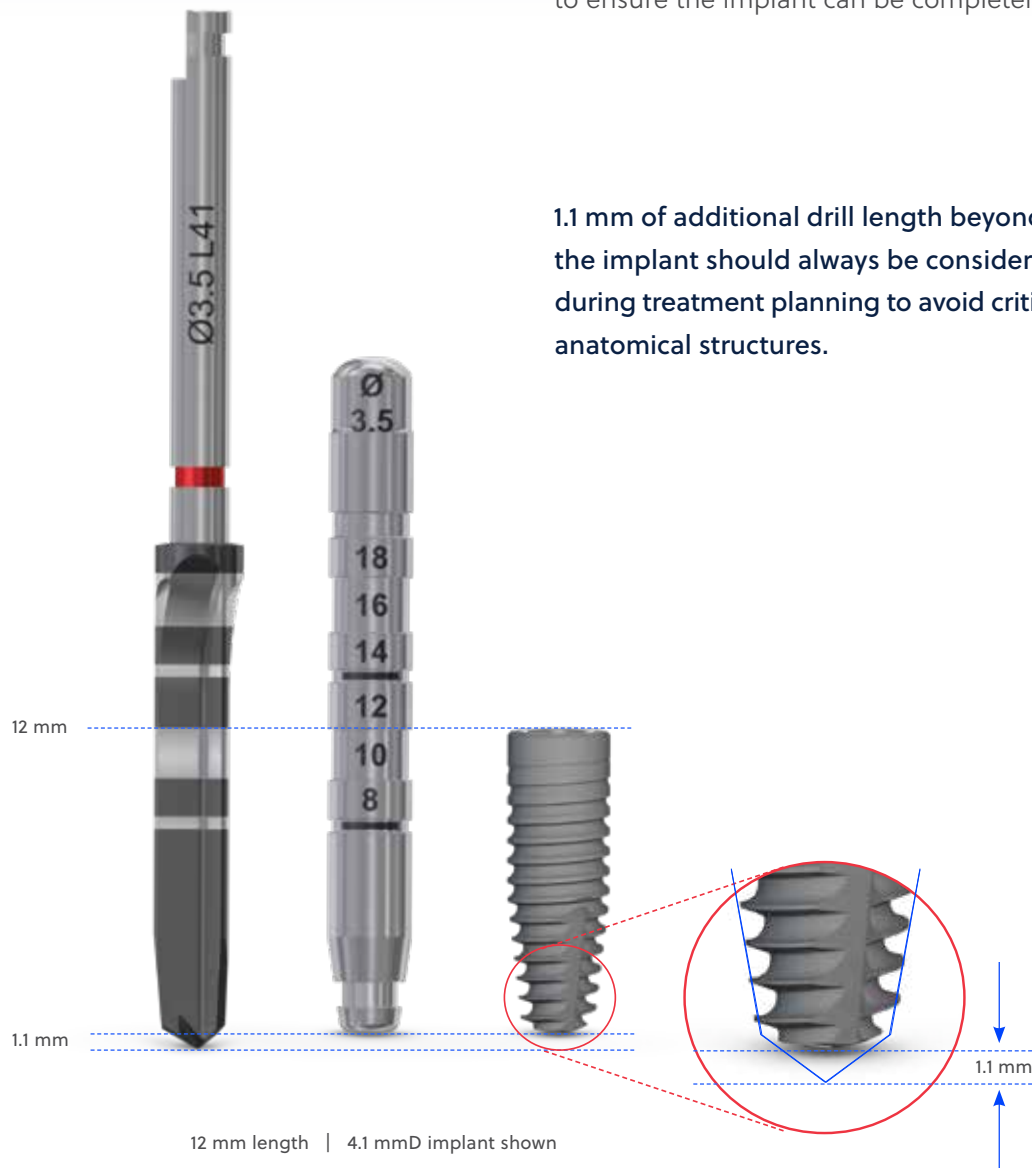
NOTE: The 2.2 mm diameter Depth Gauge may also be used to check implant axis orientation early in the protocol. The Depth Gauge should be free of bone chips or foreign material, etc., prior to utilizing to obtain accurate depth verification.

Depth Accuracy

Additional Drill Length

The laser lines indicating recommended drilling depth are up to **1.1 mm in excess of the implant length being placed**. This additional drill length is required to accommodate the drill-tip and helps to ensure the implant can be completely seated.

1.1 mm of additional drill length beyond the implant should always be considered during treatment planning to avoid critical anatomical structures.



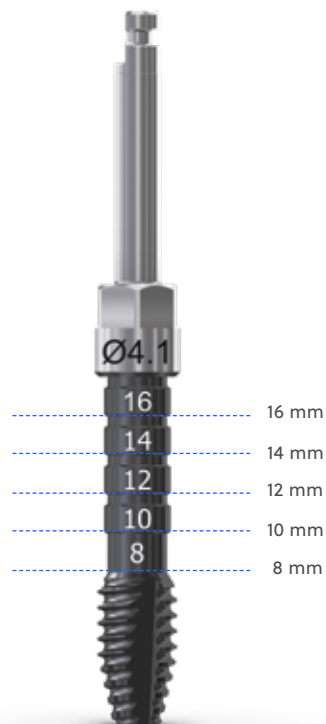
Profile Drills

Profile Drills are used to shape the coronal part of implant osteotomy to widen the cortical plate. Profile Drills are recommended for very hard and hard bone (Types I and II).

The drill should be placed to a depth, stopping at the edge of the outer rim of the profile drill at bone level, as shown.



12 mm length | 4.1 mmD implant shown



Taps

Depth markings for the Taps are indicated by score and number located on the taps.

Taps are recommend for Type I bone. They should be used to a depth just below the number of implant depth being placed.

Azure TBL Surgical Kit

Drilling Protocols

Osteotomy Preparation Guidelines for All Four Bone Types

- Drills are used with external irrigation.
- Use an in-and-out motion for a few seconds without stopping the handpiece motor rotation. This will promote irrigation flushing away debris. Proceed until desired depth reference line is achieved.
- Differing straight drills serve as the final drills for Types III and IV bone.
- The Profile Drill is the final drill in Type II bone and may also be used at the clinician's discretion to widen the cortical plate in Types III and IV bone.
- The Tap and Profile Drill are recommended in Type I bone.
- Drills should be used for no more than 20 uses.

NOTE: Maximum RPM drilling speeds are shown in the drilling sequence tables (pages 18–20).

- Please also reference the IFU for additional information.

Various Drill Lengths and Starter Drill Options Available

Further information on use of the various drill types, Depth Gauges, and Taps are found in this manual on pages 10–15.

Additional drills and instruments listed in the table below are not included in the complete kit configuration and are available to supplement the Surgical Kit optionally.

Description	Dimensions	Item Number
Round Bur	Ø2.0 mm	1203G
Drill Extender	–	DEG
Needle Drill	Ø1.6 mm x 33 mm	ASTBL-ND1633
Pilot Drill	Ø2.2 mm x 29 mm	ASTBL-PID2229
Drill	Ø2.8 mm x 29 mm	ASTBL-D2829
Drill	Ø3.5 mm x 29 mm	ASTBL-D3529
Drill	Ø4.2 mm x 29 mm	ASTBL-D4229
Profile Drill	Ø3.3 mm x 33 mm	ASTBL-PRD3333
Profile Drill	Ø4.1 mm x 33 mm	ASTBL-PRD4133
Profile Drill	Ø4.8 mm x 33 mm	ASTBL-PRD4833



33 mm and 41 mm length, needle drills

3.3 mm Protocol



Ø3.3 mm Drilling Sequence				
Drill/Tap Diameter	Ø2.2*	Ø2.8	Ø3.3 Profile	Ø3.3 Tap
Max RPM	800	600	300	15
Type IV: Very Soft	●	○	○	-
Type III: Soft	●	●	○	-
Type II: Hard	●	●	●	-
Type I: Very Hard	●	●	●	●

○ In types III and IV bone, when a dense cortical plate exists, optional additional drills may be used as needed at the clinician's discretion.

● Fully colored circles indicate recommended surgical protocol.

*The Ø2.2 mm drills have a blue stripe. On the Surgical Kit, no color coding is indicated.

NOTE: 33 mm length pilot and straight drills shown as reference length in the three drilling sequences.

4.1 mm Protocol



Ø4.1 mm Drilling Sequence					
Drill/Tap Diameter	Ø2.2*	Ø2.8	Ø3.5	Ø4.1 Profile	Ø4.1 Tap
Max RPM	800	600	500	300	15
Type IV: Very Soft	●	●	○	○	-
Type III: Soft	●	●	●	○	-
Type II: Hard	●	●	●	●	-
Type I: Very Hard	●	●	●	●	●



○ In types III and IV bone, when a dense cortical plate exists, optional additional drills may be used as needed at the clinician's discretion.

● Fully colored circles indicate recommended surgical protocol.

*The Ø2.2 mm drills have a blue stripe. On the Surgical Kit, no color coding is indicated.

4.8 mm Protocol



	Ø4.8 mm Drilling Sequence					
Drill/Tap Diameter	Ø2.2*	Ø2.8	Ø3.5	Ø4.2	Ø4.8 Profile	Ø4.8 Tap
Max RPM	800	600	500	400	300	15
Type IV: Very Soft	●	●	●	○	○	-
Type III: Soft	●	●	●	●	○	-
Type II: Hard	●	●	●	●	●	-
Type I: Very Hard	●	●	●	●	●	●



○ In types III and IV bone, when a dense cortical plate exists, optional additional drills may be used as needed at the clinician's discretion.

● Fully colored circles indicate recommended surgical protocol.

*The Ø2.2 mm drills have a blue stripe. On the Surgical Kit, no color coding is indicated.

Azure TBL Surgical Kit

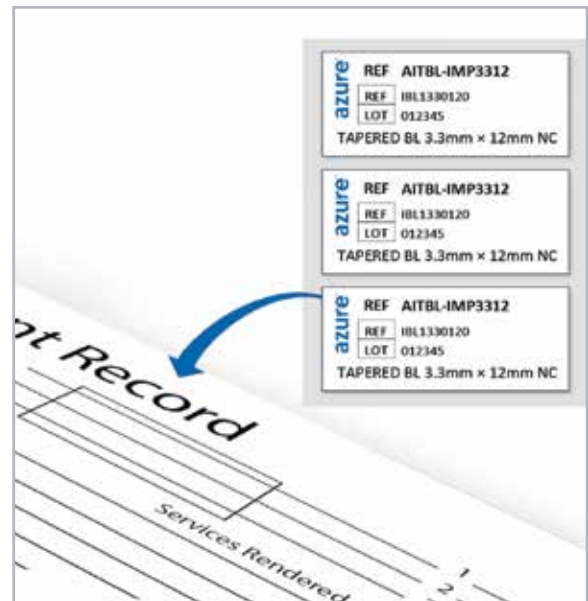
Implant Placement

Azure Tapered Bone Level Implants can be placed with a motor handpiece or manually.

The following instructions are the steps needed to remove the implant from the packaging and for picking up the implant for placement with the driver.

Removing Implant from Packaging

- Remove the implant package with vial from the box.
- Locate the patient record labels in the implant package for adherence to the patient's chart.
- Peel open the packaging cover to reveal the sterile contents.
- Turn the packaging over to drop the sterile inner vial onto a sterile field.



- With a gloved hand, twist and pull up to remove the vial cap to expose the implant.



Vial in Tray

- Place the implant vial into one of the four implant vial holder slots in the surgical tray.



Seating the Implant

- Hold the vial between fingers and push down into slot until each vial has been firmly seated. The bottom of the vial will seat deeply inside the surgical tray.

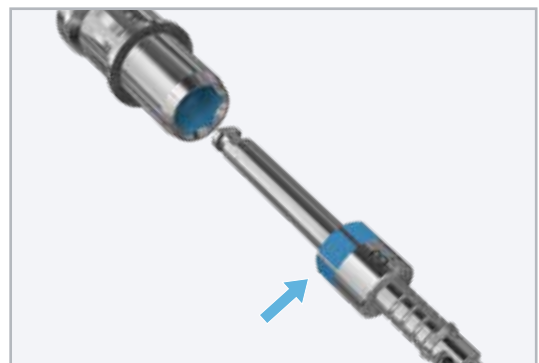


Scan QR Code
to follow along
step-by-step.

Manual Transfer of the Implant

- Combine the chosen length and NC or RC Latchlock Implant Driver [ASTBL-IDNC 3328, ASTBL-IDNC3337 or ASTBL-IDRC428, ASTBL-IDRC437] with the Implant Driver Adapter [ASTBL-IDA], for manual transfer of the implant to the surgical site.
- Ensure the external hex on the Driver Tip (*indicted by the arrow at right*) seats fully to the internal hex of the Implant Driver Adapter. This step ensures adequate strength for implant seating.
- This assembly creates the versatile **Azure Implant Transporter** that may be used manually, with the Torque Indicating Ratchet [ASTBL-TIR], or with a contra-angle handpiece to pick up the implant from the vial.
- Ensure the Azure TBL Transporter Driver Tip is adequately engaged with the implant **prior** to lifting from the vial.

NOTE: Slight rotation or downward movement of the Driver Tip may be needed to thoroughly engage the implant with confident retention.



- Carry the implant to the receptor site.
- Initiate seating of the implant in the osteotomy by hand.



Manual Implant Seating

- Connect the Torque Indicating Ratchet [ASTBL-TIR] to the Implant Transporter assembly to complete implant placement with the appropriate torque.

NOTE: Maintain sufficient finger pressure as shown during implant seating.



Implant placement torque exceeding 35 Ncm is not recommended. If an insertion torque of 35 Ncm is reached before implant is at final position, verify that implant osteotomy site is prepared correctly before proceeding. Tapping the site prior to implant placement will help lower the insertion torque. The implant drivers should never exceed 70 Ncm torque. DO NOT use implant drivers more than 20 uses and inspect frequently for signs of wear.

Implant Pick-Up and Placement with Motor Handpiece

- Combine the chosen Latchlock Implant Driver Tip [ASTBL-IDNC3328, ASTBL-IDNC3337 or ASTBL-IDRC428, ASTBL-IDRC437] with the handpiece to pick up the implant from the vial.



- Ensure the Driver Tip is adequately engaged with the implant prior to lifting the implant from the vial.

NOTE: Slight rotation or movement of the Driver Tip may be needed to thoroughly engage the implant.

- Conduct placement of the implant at 15 RPM with the handpiece once the implant is securely engaged.



NOTE: The implant can be picked-up and initially placed manually and completed with the handpiece, or vice-versa, depending on clinician preference.

Implant placement torque exceeding 35 Ncm is not recommended. If an insertion torque of 35 Ncm is reached before implant is at final position, verify that implant osteotomy site is prepared correctly before proceeding. Tapping the site prior to implant placement will help lower the insertion torque. The implant drivers should never exceed 70 Ncm torque. DO NOT use implant drivers more than 20 uses and inspect frequently for signs of wear.

Azure TBL Surgical Kit

Implant Healing

Seat a Cover Screw, Healing Abutment, Temporary Restoration, or Multi-Unit Abutment with corresponding Cover Cap onto the implant, depending on the selected healing method and appropriate loading protocol. Please see the **Azure Tapered Bone Level Implant Catalog [ZVINST0201]**, for a comprehensive range of healing and restorative options. For non-sterile components, follow cleaning and sterilization guidelines found on page 6 of this manual and the Instructions for Use.

Cover Screw or Healing Abutment Seating

- Combine the Restorative Adapter for Ratchet [ASTBL-RA] to the latchlock end of the appropriate TORX® Restorative Screwdriver ARA-DT20TC06, ARA-DT24TC06, ARA-DT30TC06, ARA-DT35TC06], which is available in four different lengths.



Securing the Implant

- Engage to secure with either the:
 - A. cover screw, or
 - B. healing abutment with the Screwdriver Tip.
- Carry the cover screw or healing abutment to the implant site.
- Finger tighten securely to the implant to prevent loosening during the healing phase.



Appropriate Torque Setting

- Connect the Restorative Adapter [ASTBL-RA] to the Torque Indicating Ratchet [ASTBL-TIR] and tighten to the appropriate torque for abutments requiring seating at a specified torque.



Azure TBL

Guided Surgical Kit and Procedures

The Azure Tapered Bone Level Guided Surgical Kit has been designed for use with Azure TBL Implants.

The Azure TBL Guided Surgical Kit consists of diamond-like carbon (DLC) coated surgical drills, mounting devices, implant drivers, and the instrumentation required for fully guided surgery and post placement considerations.

The Guided Surgical Kit can be used to place $\varnothing 3.3$, $\varnothing 4.1$, and $\varnothing 4.8$ mm implant diameters in 8, 10, 12, 14, and 16 mm lengths.



Please refer to the guidelines in this manual as well as the IFU on the website [ZimVie.com/en/dental/resources/instructions-for-use.html](https://www.zimvie.com/en/dental/resources/instructions-for-use.html).

Surgical instruments are supplied NON-STERILE and MUST BE STERILIZED BEFORE USE. For specific sterilization instructions and parameters, please refer to the Manufacturer's IFU.

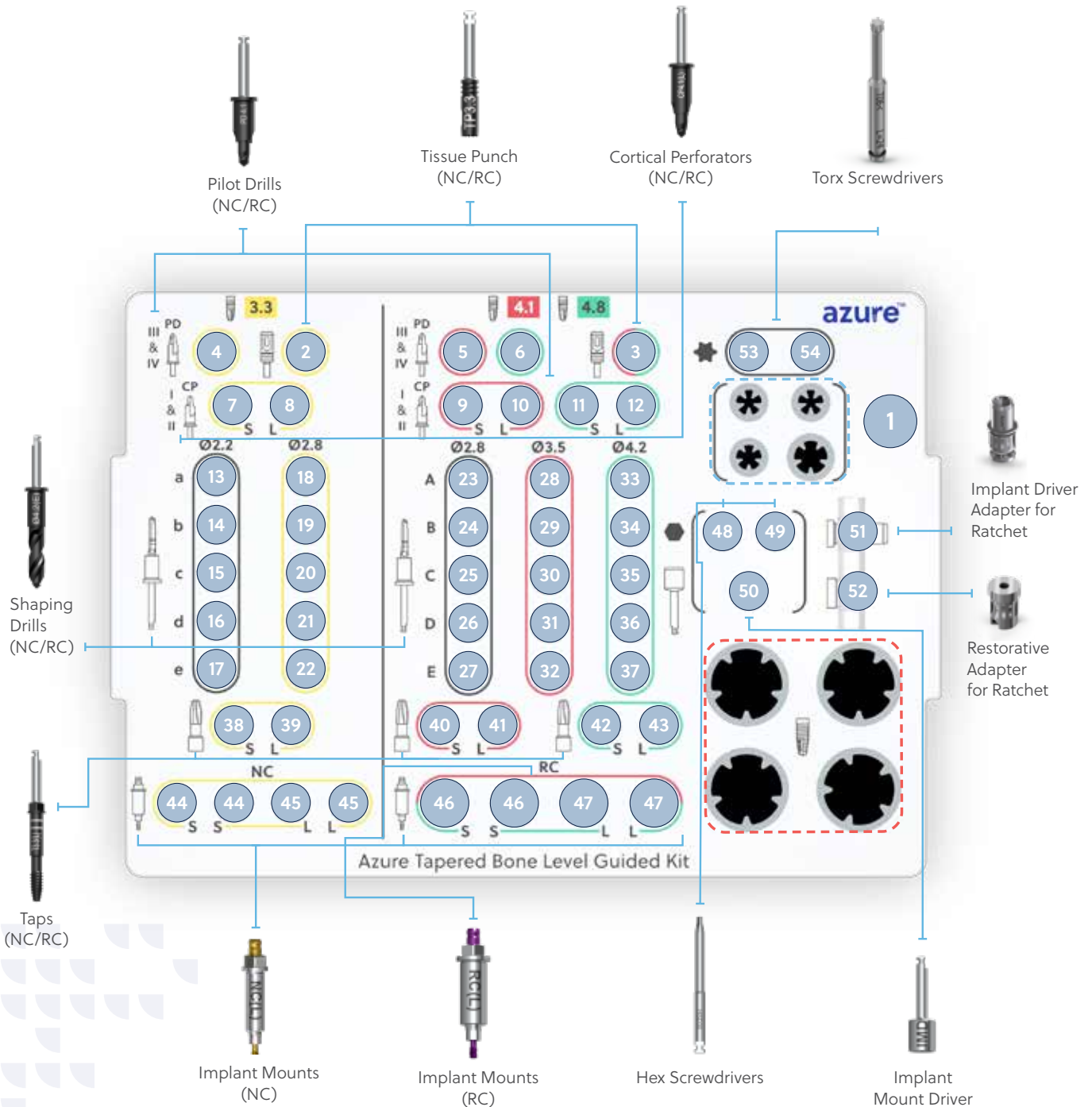


Azure Tapered Bone Level Guided Kit

(01) 08050038833165
(11) YYMMDD
(10) XXXXX

Azure Tapered Bone Level Guided Surgical Kit Layout

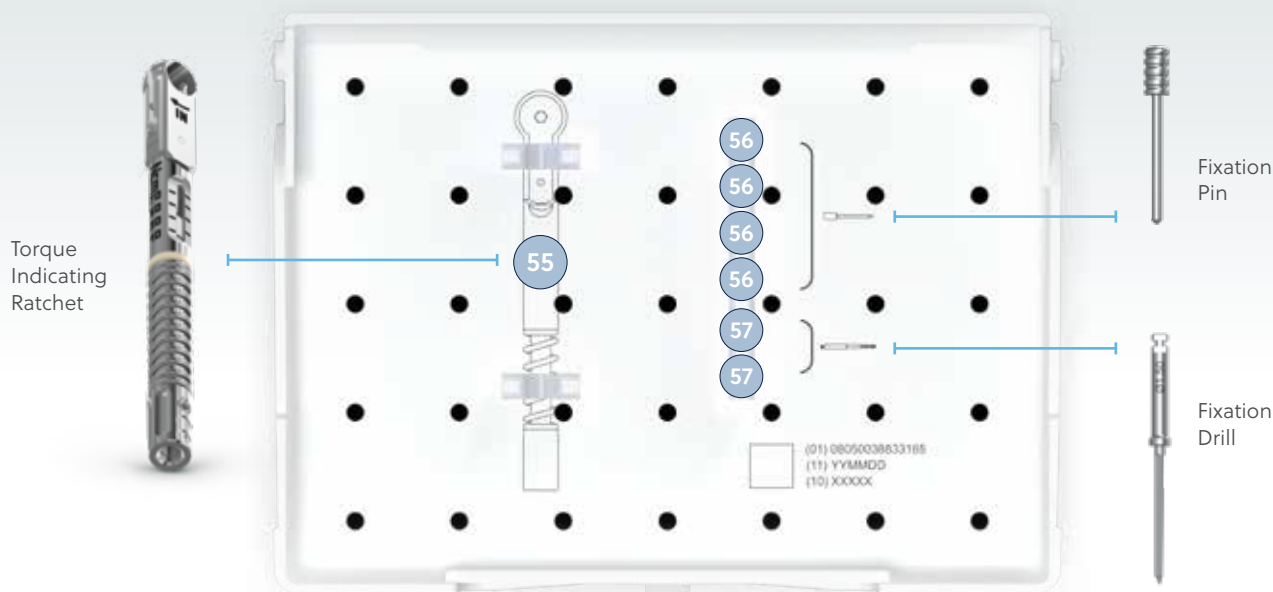
To identify the location of instruments in the Azure TBL Guided Surgical Kit, follow the numeric key in the table, then locate the corresponding numbers in the kit layout below. The kit will be delivered as individual components and will need to be assembled according to the location key of tool in the illustration.



Images shown are representational in nature and may not be to scale or display the exact geometry or color of the actual components.

--- EXTRA TOOLS
 --- IMPLANT STAGING

NC = Narrow Connection, RC = Regular Connection



Azure TBL Guided Surgical Kit Components

KIT KEY	DESCRIPTION	ITEM NO.	KIT KEY	DESCRIPTION	ITEM NO.
1	Surgical Tray, Empty	3DM00632TBLTRAY	31	Shaping Drill, Ø4.1/4.8 x 3.5 mm x 14 mmL	AGTBL-SD41483514
2	Tissue Punch, Ø3.3 mm	AGTBL-TP33	32	Shaping Drill, Ø4.1/4.8 x 3.5 mm x 16 mmL	AGTBL-SD41483516
3	Tissue Punch, Ø4.1/4.8 mm	AGTBL-TP4148	33	Shaping Drill, Ø4.1/4.8 x 4.2 mm x 8 mmL	AGTBL-SD4148428
4	Pilot Drill, Ø3.3 mm	AGTBL-GPD33	34	Shaping Drill, Ø4.1/4.8 x 4.2 mm x 10 mmL	AGTBL-SD41484210
5	Pilot Drill, Ø4.1 mm	AGTBL-GPD41	35	Shaping Drill, Ø4.1/4.8 x 4.2 mm x 12 mmL	AGTBL-SD41484212
6	Pilot Drill, Ø4.8 mm	AGTBL-GPD48	36	Shaping Drill, Ø4.1/4.8 x 4.2 mm x 14 mmL	AGTBL-SD41484214
7	Cortical Perforator, Ø3.3 mm (Short)	AGTBL-CP33S	37	Shaping Drill, Ø4.1/4.8 x 4.2 mm x 16 mmL	AGTBL-SD41484216
8	Cortical Perforator, Ø3.3 mm (Long)	AGTBL-CP33L	38	Tap, Ø3.3 mm (Short)	AGTBL-T33S
9	Cortical Perforator, Ø4.1 mm (Short)	AGTBL-CP41S	39	Tap, Ø3.3 mm (Long)	AGTBL-T33L
10	Cortical Perforator, Ø4.1 mm (Long)	AGTBL-CP41L	40	Tap, Ø4.1 mm (Short)	AGTBL-T41S
11	Cortical Perforator, Ø4.8 mm (Short)	AGTBL-CP48S	41	Tap, Ø4.1 mm (Long)	AGTBL-T41L
12	Cortical Perforator, Ø4.8 mm (Long)	AGTBL-CP48L	42	Tap, Ø4.8 mm (Short)	AGTBL-T48S
13	Shaping Drill, Ø3.3 x 2.2 mm x 8 mmL	AGTBL-SD33228	43	Tap, Ø4.8 mm (Long)	AGTBL-T48L
14	Shaping Drill, Ø3.3 x 2.2 mm x 10 mmL	AGTBL-SD332210	44	Mount NC, Ø3.3 mm (Short) / Qty. 2	AGTBL-IMNC33S
15	Shaping Drill, Ø3.3 x 2.2 mm x 12 mmL	AGTBL-SD332212	45	Mount NC, Ø3.3 mm (Long) / Qty. 2	AGTBL-IMNC33L
16	Shaping Drill, Ø3.3 x 2.2 mm x 14 mmL	AGTBL-SD332214	46	Mount RC, Ø4.1/4.8 (Short) / Qty. 2	AGTBL-IMRC4148S
17	Shaping Drill, Ø3.3 x 2.2 mm x 16 mmL	AGTBL-SD332216	47	Mount RC, Ø4.1/4.8 (Long) / Qty. 2	AGTBL-IMRC4148L
18	Shaping Drill, Ø3.3 x 2.8 mm x 8 mmL	AGTBL-SD33288	48	Hex Screwdriver, 20 mmL	AGTBL-HSD20
19	Shaping Drill, Ø3.3 x 2.8 mm x 10 mmL	AGTBL-SD332810	49	Hex Screwdriver, 30 mmL	AGTBL-HSD30
20	Shaping Drill, Ø3.3 x 2.8 mm x 12 mmL	AGTBL-SD332812	50	Implant Mount Driver	AGTBL-IMD
21	Shaping Drill, Ø3.3 x 2.8 mm x 14 mmL	AGTBL-SD332814	51	Implant Driver Adapter for Ratchet	ASTBL-IDA
22	Shaping Drill, Ø3.3 x 2.8 mm x 16 mmL	AGTBL-SD332816	52	Restorative Adapter for Ratchet	ASTBL-RA
23	Shaping Drill, Ø4.1/4.8 x 2.8 mm x 8 mmL	AGTBL-SD4148288	53	Restorative Screwdriver, 20 mmL	ARA-DT20TC06
24	Shaping Drill, Ø4.1/4.8 x 2.8 mm x 10 mmL	AGTBL-SD41482810	54	Restorative Screwdriver, 30 mmL	ARA-DT30TC06
25	Shaping Drill, Ø4.1/4.8 x 2.8 mm x 12 mmL	AGTBL-SD41482812	55	Torque Indicating Ratchet	ASBL-TIR
26	Shaping Drill, Ø4.1/4.8 x 2.8 mm x 14 mmL	AGTBL-SD41482814	56	Fixation Pin/Qty. 4	AGTBL-FP
27	Shaping Drill, Ø4.1/4.8 x 2.8 mm x 16 mmL	AGTBL-SD41482816	57	Fixation Drill/Qty. 2	AGTBL-FD
28	Shaping Drill, Ø4.1/4.8 x 3.5 mm x 8 mmL	AGTBL-SD4148358			
29	Shaping Drill, Ø4.1/4.8 x 3.5 mm x 10 mmL	AGTBL-SD41483510			
30	Shaping Drill, Ø4.1/4.8 x 3.5 mm x 12 mmL	AGTBL-SD41483512			

Note: Part number AGTBL-GSURKIT is for ordering purposes only. Individual kit parts are packaged separately.

Azure TBL Guided Surgical Kit

Instrumentation

The Azure TBL Guided Surgical Kit includes the surgical tools and drills for osteotomy preparation and fully guided implant placement. The following provides a brief description of the instrumentation in the Guided Surgical Kit.



Tissue Punch

The Tissue Punch is utilized in a flapless technique to remove soft tissue. There are two diameters, Ø3.3 and Ø4.8 mm, for improved access and soft tissue preservation.

Pilot Drills

Pilot Drills are designed to create a precise starting osteotomy and nesting effect in Type III and Type IV bone.



Cortical Perforators

Cortical Perforators are designed to create a precise starting osteotomy and nesting effect in Type I and Type II bone.

Shaping Drills

Profiled short and long prolongation Shaping Drills are specifically designed to provide a final osteotomy shape to optimize primary stability with minimal steps.



Bone Taps

Bone Taps are used in very dense Type I bone or when high torque levels are encountered.

See proper utilization of depth markings on the Bone Taps in the Guided Implant Placement section.

Surgical Guide Sleeves

It is recommended that the Guide Sleeve flats are positioned mesial-distal. The Ø3.3 mm Guide Sleeve allows for off-axis entry or planned placement in the anterior zone. The Ø4.8 mm Guide Sleeve is utilized with Ø4.1 and Ø4.8 mm implants.



Ø3.3 mm NC Guide Sleeve (yellow)



Ø4.1 and 4.8 mm RC Guide Sleeve (red, appears purple)



Implant Mounts

The color-coded Implant Mounts are offered in both short and long prolongations and the two connection diameters. Implant Mounts have a notch on both sides of the flange to enable implant connection flat timing.

Pin Drills, Fixation Pins, and Pin Drill Fixation Sleeve

Using Fixation Pins is highly recommended for securing the guide in severe edentulism and in significant partial edentulism. Guide fixation must be preplanned.

- First, use the Pin Drill to create osteotomy through the Pin Drill Fixation Sleeve.
- Then secure the guide with Fixation Pins.



Implant Mount Driver

The Implant Mount Driver is a latch-lock driver that is placed in a motorized handpiece after the Implant Mount is first attached to the implant with the Mount Hex Screwdriver. The Implant Mount Driver attaches with retention to pick up the mounted implant initially and is moved to the mouth with implant retained.



Implant Driver Adapter

For manual use, the Implant Driver Adapter for Ratchet connects to the Implant Mount and is used with the Torque Indicating Ratchet for final implant seating and timing.

This adapter may also deliver the implant from the vial to the site by hand.



Restorative Adapter and Mount Hex Screwdrivers

The Mount Hex Screwdrivers are used with the Restorative Adapter to tighten and loosen the Implant Mount Screw.

Torx Screwdriver

The Torx Screwdriver is specifically used with implant Cover Screws, Healing Abutments, and Abutment Screws during the healing and restorative phases.

Azure TBL Guided Surgical Kit

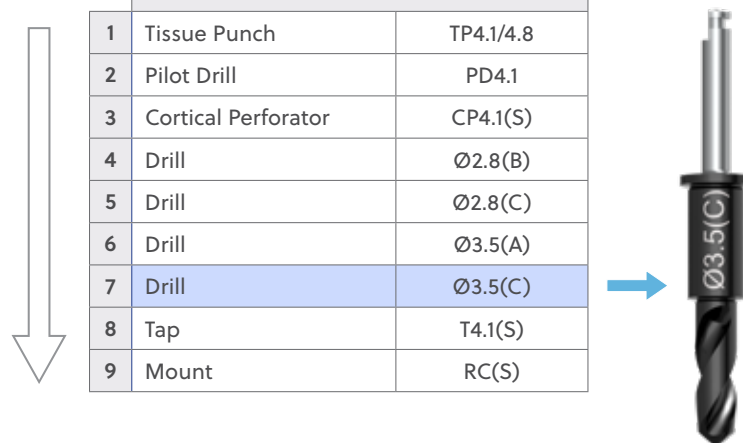
Guided Surgical Protocols

This manual and instructions are provided as a supplemental reference to the guide plan from your guide manufacturer's surgical protocol case design. This supplemental information does not replace the clinical experience of the surgeon and the provided protocols do not consider the potential need to obtain primary implant stability by under-preparing the surgical alveolus.

Instructions for Use available at ZimVie.com. The Azure TBL Guided Systems Parameters [ZVINST2823] is another resource with all implant surgical sequences.

For simplified and accurate instrument identification, note that instruments are laser-marked with highly visible, instrument description abbreviations that correspond to the guided protocols. Lower case letters indicate use with the Ø3.3 mm (NC) Guide Sleeve. Upper case letters indicate use with the Ø4.8 mm (RC) Guide Sleeves.

Surgical Sequence		
1	Tissue Punch	TP4.1/4.8
2	Pilot Drill	PD4.1
3	Cortical Perforator	CP4.1(S)
4	Drill	Ø2.8(B)
5	Drill	Ø2.8(C)
6	Drill	Ø3.5(A)
7	Drill	Ø3.5(C)
8	Tap	T4.1(S)
9	Mount	RC(S)



The guided drilling sequences on the following pages represent several examples for the three Azure TBL Implant diameters (Ø3.3, Ø4.1, and Ø4.8 mm). Please follow the drilling sequence provided by the guided software and/or guide manufacturer being utilized.

Follow the Recommended Drilling Speeds (RPM)


	RPM
Fixation Drill	1,000
Tissue Punch	40
Pilot Drill	300 to 400
Cortical Perforator	300 to 400
Ø2.2 Shaping Drill	600 to 850
Ø2.8 Shaping Drill	
Ø3.5 Shaping Drill	
Ø4.2 Shaping Drill	
Tap	15
Implant Placement Handpiece	15

Etching/markings on instruments matches the top part of each row in Surgical Guide plan. The drill should be used when the Bone Type (bottom part of each row) is indicated.

For example, use drill for all four bone type protocols when IV, III, II, I is printed. If I, II is printed, use that drill for types one and two bone only (see example on page 39).


NOTE: Maximum of 70 Ncm of insertion torque during implant placement with either the handpiece or Torque Indicating Ratchet. If torque exceeds 70 Ncm, continue with the next step for denser bone in protocol or tap.

3.3 mm Azure TBL Guided Protocols

Ø3.3 mm x 10 mL Azure TBL Implant							
Part Number	AITBL-IMP3310	AITBL-IMP3310					
Diameter (Ø mm)	3.3	3.3					
Length (mm)	10	10					
Prolongation/Offset	Short	Long					
Guide Sleeve (Ø mm)	Yellow 3.3	Yellow 3.3					
Surgical Sequence				Bone Type			
				IV	III	II	I
				very soft bone	soft bone	hard bone	very hard bone
1	Tissue Punch	TP3.3	TP3.3	●	●	●	●
2	Pilot Drill	PD3.3	PD3.3	●	●	–	–
3	Cortical Perforator	CP3.3(S)	CP3.3(L)	–	–	●	●
4	Drill	Ø2.2(b)	Ø2.2(c)	●	●	●	●
5	Drill	Ø2.8(a)	Ø2.8(b)	–	●	●	●
6	Drill	Ø2.8(b)	Ø2.8(c)	–	●	●	●
7	Tap	T3.3(S)	T3.3(L)	–	–	–	●
8	Mount	NC(S)	NC(L)	●	●	●	●


*In type I (very hard bone) TAP must be used after following the type II protocol.

4.1 mm Azure TBL Guided Protocols


Ø4.1 mm x 12 mL Azure TBL Implant							
Part Number	AITBL-IMP4112	AITBL-IMP4112					
Diameter (Ø mm)	4.1	4.1					
Length (mm)	12	12					
Prolongation/Offset	Short	Long					
Guide Sleeve (Ø mm)	Red 4.8	Red 4.8					
Surgical Sequence				Bone Type			
				IV	III	II	I
				very soft bone	soft bone	hard bone	very hard bone
1	Tissue Punch	TP4.1/4.8	TP4.1/4.8	●	●	●	●
2	Pilot Drill	PD4.1	PD4.1	●	●	–	–
3	Cortical Perforator	CP4.1(S)	CP4.1(L)	–	–	●	●
4	Drill	Ø2.8(B)	Ø2.8(C)	●	●	●	●
5	Drill	Ø2.8(C)	Ø2.8(D)	●	●	●	●
6	Drill	Ø3.5(A)	Ø3.5(B)	–	●	●	●
7	Drill	Ø3.5(C)	Ø3.5(D)	–	●	●	●
8	Tap	T4.1(S)	T4.1(L)	–	–	–	●
9	Mount	RC(S)	RC(L)	●	●	●	●

*In type I (very hard bone) TAP must be used after following the type II protocol.

4.8 mm Azure TBL Guided Protocols

Ø4.8 mm x 8 mmL Azure TBL Implant							
Part Number	AITBL-IMP4808	AITBL-IMP4808					
Diameter (Ø mm)	4.8	4.8					
Length (mm)	8	8					
Prolongation/Offset	Short	Long					
Guide Sleeve (Ø mm)	Red 4.8	Red 4.8					
Surgical Sequence			Bone Type				
			IV	III	II	I	
			very soft bone	soft bone	hard bone	very hard bone	
1	Tissue Punch	TP4.1/4.8	TP4.1/4.8				
2	Pilot Drill	PD4.8	PD4.8			–	–
3	Cortical Perforator	CP4.8(S)	CP4.8(L)	–	–		
4	Drill	Ø2.8(A)	Ø2.8(B)				
5	Drill	Ø3.5(A)	Ø3.5(B)				
6	Drill	Ø4.2(A)	Ø4.2(B)				
7	Tap	T4.8(S)	T4.8(L)	–	–	–	
8	Mount	RC(S)	RC(L)				

* In type I (very hard bone) TAP must be used after following the type II protocol.

Ø4.8 mm x 14 mmL Azure TBL Implant							
Part Number	AITBL-IMP4814	AITBL-IMP4814					
Diameter (Ø mm)	4.8	4.8					
Length (mm)	14	14					
Prolongation/Offset	Short	Long					
Guide Sleeve (Ø mm)	Red 4.8	Red 4.8					
Surgical Sequence			Bone Type				
			IV	III	II	I	
			very soft bone	soft bone	hard bone	very hard bone	
1	Tissue Punch	TP4.1/4.8	TP4.1/4.8				
2	Pilot Drill	PD4.8	PD4.8			–	–
3	Cortical Perforator	CP4.8(S)	CP4.8(L)	–	–		
4	Drill	Ø2.8(B)	Ø2.8(C)				
5	Drill	Ø3.5(B)	Ø3.5(C)				
6	Drill	Ø3.5(D)	Ø3.5(E)				
7	Drill	Ø4.2(A)	Ø4.2(B)	–			
8	Drill	Ø4.2(D)	Ø4.2(E)	–			
9	Tap	T4.8(S)	T4.8(L)	–	–	–	
10	Mount	RC(S)	RC(L)				

* In type I (very hard bone) TAP must be used after following the type II protocol.


Customized Drill Report

The RealGUIDE® Software Suite is optimized for you or your laboratory partner to automatically generate a customized drill plan report from an implant project planned with Azure TBL Implants.


Implant Concierge® is an ideal partner for these guided cases, or you can work with the partner of your choice once they have updated libraries, specifications, and .stl files from www.ZimVie.com to supplement the guide plan from your guide manufacturer's surgical protocol case design.



RealGUIDE Software Full Suite with PLAN, GUIDE, CAD Modules



**Azure TBL Guided Surgery
Drill Protocol**

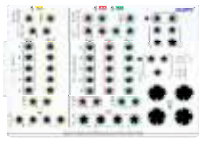


Patient Name: DEMO
Project Date: 07/08/2025

Recommendations:
Tissue Punch: 40 rpm
Cortical Perforator & Pilot Drill: 300 to 400 rpm
Drills: 600 to 850 rpm
Tap & Implant Placement Handpiece: 15 rpm
Fixation Drill: 1000 rpm

Etching/markings on instruments matches the top part of each row.
The drill should be used when the Bone Type (bottom part of each row) is indicated. For example, use drill for all four bone type protocols when IV, III, II, I is printed. If I, II is printed, use that drill for types one and two bone only.

Note: Maximum of 70 Ncm of insertion torque during implant placement with either the handpiece or torque indicating ratchet. If torque exceeds 70 Ncm, continue with next step for higher density bone in protocol or use bone tap.



Please, always refer to the manufacturer's surgical kit manual and follow the official manufacturer instructions. The present report is automatically generated from RealGUIDE® (according to the correspondent project) and therefore it must not be considered official material.




Implant Info				
Position	12	14	22	24
Model	Azure TBL	Azure TBL	Azure TBL	Azure TBL
Code	AITBL-IMP3314	AITBL-IMP4112	AITBL-IMP4808	AITBL-IMP4808
Diameter [mm]	3,3	4,1	4,8	4,8
Length [mm]	14	12	8	8
Sleeve	Yellow 3.3 mm	Red 4.8 mm	Red 4.8 mm	Red 4.8 mm
Prolongation	Long	Short	Short	Short
Depth Control	Yes	Yes	Yes	Yes
Surgical Protocol				
1 - Tissue Punch	Yes	Yes	Yes	Yes
2 - Pilot Drill	PD 3.3 IV, III	PD 4.1 IV, III	PD 4.8 IV, III	PD 4.8 IV, III
3 - Cortical Perforator	CP 3.3(L) II, I	CP 4.1(S) II, I	CP 4.8(S) II, I	CP 4.8(S) II, I
4 - Drill	2.2(c) IV, III, II, I	2.8(B) IV, III, II, I	2.8(A) IV, III, II, I	2.8(A) IV, III, II, I
5 - Drill	2.2(e) IV, III, II, I	2.8(C) IV, III, II, I	3.5(A) IV, III, II, I	3.5(A) IV, III, II, I
6 - Drill	2.8(b) III, II, I	3.5(A) III, II, I	4.2(A) III, II, I	4.2(A) III, II, I
7 - Drill	2.8(e) III, II, I	3.5(C) III, II, I	-	-
8 - Drill	-	-	-	-
9 - Drill	-	-	-	-
10 - Drill	-	-	-	-
11 - Tap	T3.3(L) I	T4.1(S) I	T4.8(S) I	T4.8(S) I
12 - Mount	NC(L)	RC(S)	RC(S)	RC(S)

For supplemental information to the guide plan from your guide manufacturer, the Azure TBL Guided System Parameters Document [ZVINST2823] shows protocols, implant, bone type, and prolongation.

Azure TBL Guided Surgical Kit

Guided Surgery Planning Considerations

- Two Guide Sleeve sizes correspond to the two restorative connection sizes.
- Verify the color of Guide Sleeve in your printed guide conforms to the Azure restorative color-coding system. Note that the red color will appear purple on color-coded sleeves and instrumentation.

Surgical	Implant and Platform Diameter	Ø3.3 mm	Ø4.1 mm	Ø4.8 mm
Restorative	SBL-Conical Connection	 NC	 RC	 RC

Implant Mounts and Surgical Guide Sleeves

- Ø3.3 mm Implants will be placed through the NC (yellow) Surgical Guide Sleeves [3DM00605AZ33.10] connected to either the short [AGTBL-IMNC33S] or long [AGTBL-IMNC33L] Ø3.3 mm Implant Mount, according to the surgical guide plan.



- Ø4.1 and Ø4.8 mm Implants will be placed through the RC (red, appears purple) Surgical Guide Sleeves [3DM00605AZ48.10] with either the short [AGTBL-IMRC4148S] or long [AGTBL-IMRC4148L] Ø4.8 mm Implant Mount per guide plan.



NC = Narrow Connection, RC = Regular Connection

Special Considerations for Type III and Type IV Bone

- $\text{\O}4.1$ mm x 16 mm, $\text{\O}4.8$ mm x 14 mm, and $\text{\O}4.8$ mm x 16 mm lengths and diameters will sit slightly proud (i.e. higher than the surgical Guide Sleeve in the guide). This is due to use of the Pilot Drill that leaves a slightly smaller diameter at the coronal portion of the osteotomy.
- Pay careful attention to keep the implant straight for approximately 2-4 rotations until full engagement between the surgical Guide Sleeve and Implant Mount guide body. Implant will bite into the bone and Implant Mount guide body will engage with the surgical guide tube.
- To avoid this scenario, a shorter length implant may be used in Type III or IV bone.

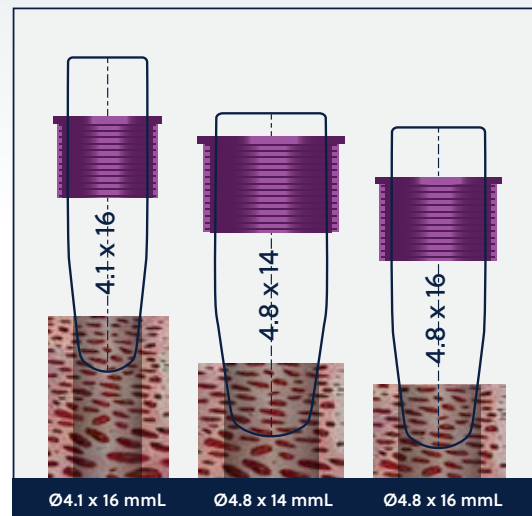


Figure 1: Three long Implant sizes in type III and IV bone.

NOTE: Follow surgical protocols specific to Type III and IV bone (above) for long implant sizes: 4.1 mm x 16 mm, 4.8 mm x 14 mm, and $\text{\O}4.8$ mm x 16 mm lengths and diameters.

Preparation for Surgery

Once you have received the surgical guide, several steps will help to ensure things go smoothly during surgery:

- Inspect the inside of each Guide Sleeve to ensure it is free of any fabrication material or bonding agent.
- A try-in of the surgical guide a few days before the scheduled surgery is always recommended to ensure a stable fit.

Always review the guide plan from your guide vendor to become familiar prior to surgery.

Surgery Guidelines

- For flapless cases, use the Guided Tissue Punch specified in the guide plan prior to fixation of the surgical guide. Remove the surgical guide and tissue plugs. Then, replace and fixate the surgical guide.
- Surgical guide fixation with Guide Pins is recommended for securing the guide in severe edentulism and in significant partial edentulism to minimize surgical guide movement during surgery.

NOTE: All instruments should be inserted as far as possible through the Guide Sleeve and into the osteotomy prior to activation (i.e. rotation of the drill motor). This will provide engagement between the drill guide body and Guide Sleeve, limiting the possibility of damaging either the instruments or the sleeves.

- Use copious irrigation on instruments and sites prior to and during drilling to provide lubrication and cooling when passing through the Surgical Guide Sleeve(s) as well as to remove debris from the surgical site.
- Irrigation is especially important for both the Cortical Perforator and Pilot Drill that remove a larger volume of bone compared to Shaping Drills. Avoid applying lateral force on instrumentation during use, as this may cause damage or premature wear. Confirm each drill stops fully against the Surgical Guide Sleeve during drilling.
- For 8 and 10 mm length implants in Type I bone, tap until the indicated laser line (*image at right*). Tap until the stopper for 12, 14, and 16 mm length implants.

NOTE: The Guide Sleeve should lightly seat against the stopper, limiting the possibility of damaging either the instruments or the osteotomy.



Guided Implant Placement

Implant Mounting

- Place implant vial in the staging area and have the bottom of kit tray flat on a surface.
- Remove the vial cap and select the correct Implant Mount specified in the guide plan, ensuring the appropriate mount diameter and prolongation are chosen.
- While lightly gripping the top of the Implant Mount with your fingers, deliver the mount to the implant.
- Using slight pressure, slowly rotate the mount with gentle downward pressure until the mount drops to fully engage with the implant connection.
- Verify visually that there is no gap between implant platform and the mount in advance of tightening the Mount Screw and before pushing with significant downward force.
- Before tightening the Mount Screw, stabilize the fully-seated mount around the hexed area with fingers to keep it in place.



- To tighten the Mount Screw, connect one of the two Hex Screwdrivers [ASTBL-HSD20 or ASTBL-HSD30] to the Restorative Adapter [ASTBL-RA]. Tighten Implant Mount right-to-left.

NOTE: The Hex Screwdrivers are located in the upper right hand corner of the surgical tray and indicated by a black hexagon.

- Ensure the Implant Mount is fully seated with the Implant Mount Screw tightened.



- Additional tightening may be done by placing the Implant Driver Adapter [ASTBL-IDA) over the mount to stabilize the implant in the vial.
- Then optionally verify tightness using the Restorative Adapter connected to a 20 or 30 mm length Hex Screwdriver.



- Once the Implant Mount is fully seated and tightened, pick-up the implant from the vial using the Implant Mount Driver [AGTBL-IMD] attached to a motorized handpiece.

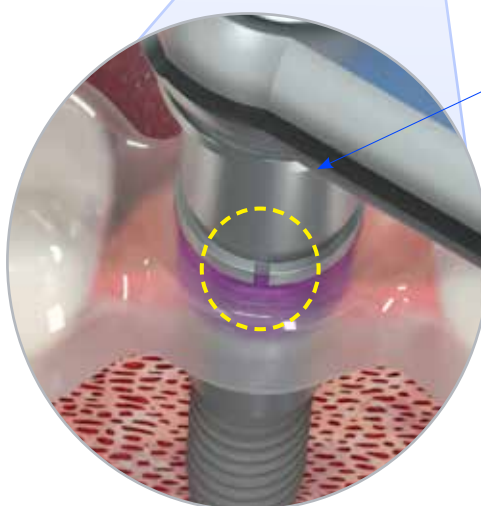


Implant Seating

- Start placement of the implant through the Guide Sleeve until resistance with bone within the osteotomy is felt.
- After this resistance is felt, start the motorized handpiece at 15 RPMs to begin placement.
- Place the Torque Indicating Ratchet [ASTBL-TIR] over the Implant Driver Adapter [ASTBL-IDA] and apply light finger pressure, turning the ratchet to complete seating.
- Optionally, or if required to complete seating, the implant may be placed manually with the Torque Indicating Ratchet [ASTBL-TIR]. Remove the Implant Mount Driver [AGTBL-IMD] from the mount and attach the Implant Driver Adapter [ASTBL-IDA] to the mount.
- In very tight inter-arch spaces, the mounted implant with Implant Driver Adapter [ASTBL-IDA] attached can be delivered directly to the site through the Guide Sleeve to initiate implant placement by hand, after which the Torque Indicating Ratchet [ASTBL-TIR] is utilized to complete seating.



- Using magnification eyewear as needed, slowly rotate and closely observe the final implant mount flange position both vertically and for bucco-lingual orientation of the implant connection flat.
- A notch on the implant mount flange mount indicates the flat of the implant connection and should be facing the bucco-lingual direction in the final seating position.
- To confirm implant timing in the bucco-lingual orientation, ensure the mount notch is oriented as shown in illustration.
- If implant Conical Cross Connection engagement location is critical, you may need to remove the Implant Mount Driver [AGTBL- IMD] and Torque Indicating Ratchet [ASTBL-TIR] to assure visibility of final notch position.
- For gingival formers and immediate provisional restorations, non-engaging provisional abutments are highly recommended.



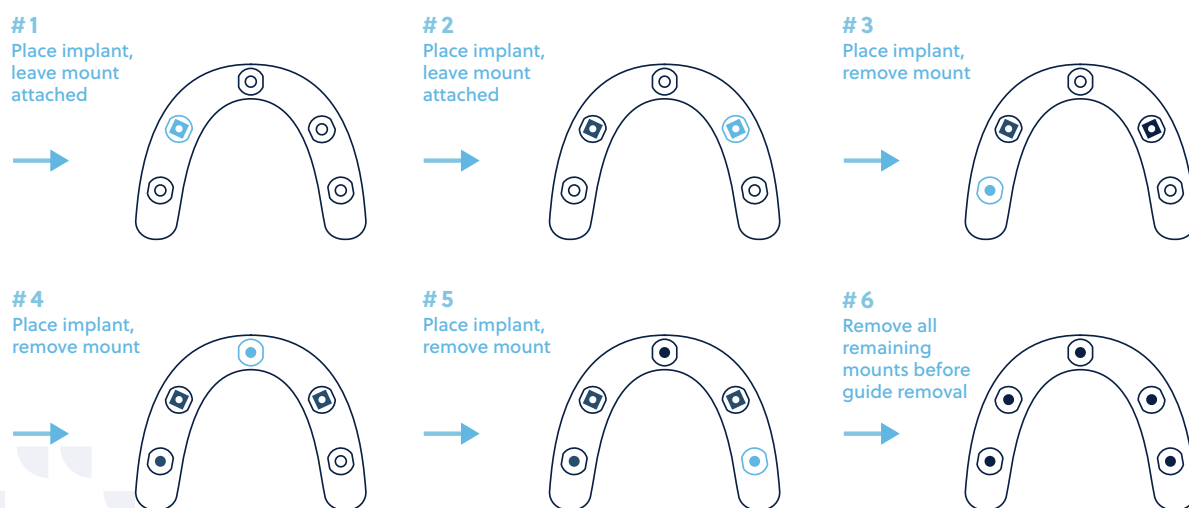
Correct Positioning
of the Conical Cross
Connection

Removing Implant Mounts

- When removing Implant Mounts, remove with one of the two Hex Screwdrivers [ASTBL-HSD20 or ASTBL-HSD30] along the path of insertion. Avoid applying lateral forces.
- After loosening the Implant Mount screw, if the Implant Mount will not separate from the implant, a slight counterclockwise torque can be applied if necessary to the Implant Mount with the Torque Wrench and Implant Driver Adapter over the mount, to assist with Implant Mount removal.



In a fully edentulous or significant partially edentulous case, Guide Sleeve Fixation Pins are strongly recommended. Place the implants in an alternating cross-arch pattern, moving from one side to the other to avoid compression of the soft tissue. Always apply a steady axial downward pressure during implant placement per illustration below.



Implant Healing

- After the implant has been placed and the surgical guide removed, seat a Cover Screw, Healing Abutment, Temporary Restoration, or Multi-Unit Abutment onto the implant, depending on the selected healing method and appropriate loading protocol.
- All Cover Screws, Healing Abutments and corresponding Multi-Unit Abutments use the Torx Screwdrivers which are used for healing and restorative purposes.
- The Torx Restorative Screwdrivers are located in the upper right of kit insert where there is a Torx shape symbol.












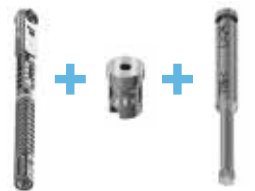
















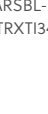



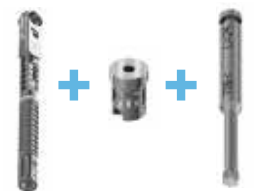

NOTE: Be aware not to mix Torx Screwdrivers with Hex Screwdrivers that are used specifically with the Implant Mount Screw.

- For non-sterile components, follow cleaning and sterilization guidelines found in the specific Manufacturer's IFU.





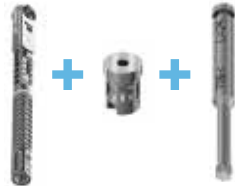







Additional implant healing techniques and restorative components are shown on pages 27, 48, and 49 of this manual. Reference the Azure Tapered Bone Level Implant Catalog [ZVINST0201] for a comprehensive range of healing and restorative options.

Azure TBL Restorative Reference Guide

Restorative Category	Abutment/Component	Connection Type	Replace-ment Screw Type	Screw Included	Driver Tip	Rec. Torque (Ncm)	Mode of Use	Gingival Height sizes (mm)
Healing Components	Cover Screws	Non-Engaging 	N/A	N/A	 Torx Driver Tip 20 mmL, 24 mmL, 30 mmL, 35 mmL	Hand Tighten	 Hand tighten with Torx Driver Tip, and Restorative Adapter	N/A
	Healing Abutment	Non-Engaging Multi-Unit Level* 						Non-Engaging 3.0 mm, 4.0 mm, 5.0 mm
Impression Transfer	Scan Bodies	Implant Level Multi-Unit Level 	N/A	Yes Excluding closed tray-only transfer	Manual tool for Intraoral Scan Bodies 	Hand Tighten	Manual tool supplied with Intraoral Scan Bodies	N/A
	Traditional Impression Transfer	Implant Level Multi-Unit open/closed 			Torx Driver Tip 		Place by hand	
Temporary Cylinders	Temporary Cylinders	Non-Engaging Engaging 	ARSBL-STRXTI34 	Yes	 Torx Driver Tip	35	 Tighten with Torque Indicating Ratchet, Torx Driver Tip, and Restorative Adapter	Engaging/ Non-Engaging 1.2 mm, 2.0 mm, 3.0 mm
		Multi-Unit Level 	ARMU-STRXTI48 					
Digital Components	Titanium Ti-Bases (Ti-Base-T)	Non-Engaging Engaging 	ARSBL-STRXTI34 	Yes	 Torx Ball Driver Tip 20 mmL, 24 mmL, 30 mmL, 35 mmL	35	 Tighten with Torque Indicating Ratchet, Torx Ball Driver Tip, and Restorative Adapter	N/A
		Multi-Unit Level 	ARMU-STRXTI48 					
	Angled Screw Channel Ti-Bases (Ti-Base-A)	Non-Engaging Engaging 	ARSBL-STRXTITA34 		ARMU-STRXTI48 			
		Multi-Unit Level 						
CEREC*-Compatible Ti-Bases (Ti-Base-C)	Non-Engaging Engaging 	ARSBL-STRXTI34 						
	Engaging 							
Titanium Pre-Milled Blanks	Engaging 	ARSBL-STRXTI34 						
Cement Retained	Straight Cement-Retained	Engaging 	ARSBL-STRXTI34 	Yes	 Torx Driver Tip	35	 Tighten with Torque Indicating Ratchet, Torx Driver Tip, and Restorative Adapter	N/A
	15° Angle Cement-Retained	Engaging 						

*Use 1.27mm Hex Driver with UMUA-HC

Azure TBL Restorative Reference Guide (cont'd)

Restorative Category	Abutment/Component	Connection Type	Replacement Screw Type	Screw Included	Driver Tip	Rec. Torque (Ncm)	Mode of Use	Gingival Height sizes (mm)
Screw Retained	Castable Cylinders	Non-Engaging Engaging		Yes		35		N/A
		Multi-Unit Level						
	Cobalt Chrome Castable Cylinders	Non-Engaging Engaging	ARSBL-STRXTI34	Yes	Torx Driver Tip	35	Tighten with Torque Indicating Ratchet, Torx Driver Tip, and Restorative Adapter	
		Multi-Unit Level						
	Castable Cylinders for Ti-Base-T	Non-Engaging Engaging	N/A	N/A	N/A	N/A	Used with the appropriate Ti-Base abutment	
Multi-Unit Level								
Castable Cylinders for Ti-Base-A	Non-Engaging, Engaging, and Multi-Unit Level	N/A	N/A	N/A	N/A	Used with the appropriate Ti-Base abutment		
Multi-Unit Abutments	Engaging	N/A	ARSBL-STRXTI34	Yes		35 Abutment		Straight Abutment 1.5 mm, 2.5 mm, 3.5 mm, 4.5 mm
		N/A			Torx Driver Tip	15 Prosthetic		Tighten with Torque Indicating Ratchet, Restorative Adapter, and Driver Tip
Analog	Digital Analogs		1.27 mm Hex retention screw	N/A		Hand tighten	Hand Tighten with Hex Driver	N/A
	Stone Analogs		N/A	N/A	N/A	N/A	N/A	
Overdenture	OverdenSURE Attachments	Non-Engaging	N/A	N/A	ODS-AD7ST, or	35		NC: 2.0 mm, 3.0 mm, 4.0 mm RC: 1.0 mm, 2.0 mm, 3.0 mm, 4.0 mm Multi-Unit: 3.0 mm
		Multi-Unit Level			ODS-DRVR			

For more information, visit [ZimVie.com](https://www.ZimVie.com)

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