

English
INSTRUCTIONS FOR USE: Southern Implants® Tapered Drills and Taps (re-useable)
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Subsidiaries

Intended use

Southern Implants® tapered drills and bone taps are intended to be used to prepare the osteotomy for implant placement. The tapered drills and bone taps are implant length speci2c.

Intended user

Maxillo-facial Surgeons, General Den sts, Orthodon sts, Periodon st, Prosthodon sts and other appropriately trained and experienced implant users.

Intended environment

The tapered drills and bone taps are intended to be used in a clinical environment such as an opera ng theater or a den st consulta on

Intended pa ent popula on

 $This \, device \, is \, used \, in \, the \, dental \, restora \quad on \, of \, par \quad ally \, or \, fully \, edentulous$ pa ents in the upper or lower jaw. Restora ons may comprise single teeth, par al or full bridges, and may be ①xed or removable.

Descrip on

Southern Implants tapered drills and bone taps are as described in Table 1 and Table 2, respec vely. These re-usable drills are made of stainless steel, Titanium (Grade 4) or Titanium Alloy (Grade 5) and some are coated with Titanium Nitride (TiN) or Aluminium Titanium Nitrate (AITIN), refer to the tables below for special details.

The drills have a latch dimension compa ble to ISO 1797. This is in order to connect the drill to the handpiece of an implant motor unit. The drills and taps are provided sterile.

Table 1

Drill code	Material	Coa ng (if any)	Final recommended Tapered: Drill for Implant Placement	Bone Condi on (So , Medium, Dense)	Drill Iden I Laser Marked	ca on: Colour ID	Number of Uses
			External Hex				
D-30TP-XX	Titanium Alloy	-	Ø3.0mm External Hex Implant	Dense			Up to 10
D-33TP-XX	Titanium Alloy	-	Ø3.25mm External Hex Implant	Medium to Dense	1		Up to 10
D-33TP-XX-L	Titanium Alloy	-	Ø3.25mm External Hex Implant, Longer Sha Drill	Medium to Dense	1		Up to 10
D-40E-04F	Titanium Alloy	-	Ø4.0mm IET/IETi External Hex Implant	Medium to Dense	1		Up to 10
D-40TP-XX	Stainless Steel	-	Ø4.0mm External Hex Implant	Medium to Dense	1		Up to 10
D-40TP-XX-L	Titanium Alloy	-	Ø4.0mm External Hex Implant, Longer Sha Drill	Medium to Dense	1		Up to 10
D-50TP-XX	Stainless Steel	-	Ø5.0mm External Hex Implant	Medium to Dense	√		Up to 10
D-50TP-XX-L	Titanium Alloy	-	Ø5.0mm External Hex Implant, Longer Sha Drill	Medium to Dense	✓		Up to 10
D-60TP-XX	Stainless Steel	-	Ø6.0mm External Hex Implant	Medium to Dense	√		Up to 10
	•		Dedicated Dense Bone Dril	İs			
D-42TP-XX	Stainless Steel	TiN	Ø4.0mm External Hex Implant	Dense			Up to 10
D-52TP-XX	Stainless Steel	TiN	Ø5.0mm External Hex Implant	Dense	✓		Up to 10
D-62TP-XX	Stainless Steel	TiN	Ø6.0mm External Hex Implant	Dense	√		Up to 10
			PROVATA (Internal Hex)				
D-33TP-XX	Titanium Alloy	-	Ø3.25mm Provata Implant	Medium to Dense	✓		Up to 10
D-33TP-XX-L	Titanium Alloy	-	Ø3.25mm Provata Implant, Longer Sha Drill	Medium to Dense	✓		Up to 10
D-40TP-XX	Stainless Steel	-	Ø4.0mm Provata Implant	Medium to Dense	✓		Up to 10
D-40TP-XX-L	Titanium Alloy	-	Ø4.0mm Provata Implant, Longer Sha Drill	Medium to Dense	✓		Up to 10
D-50TP-XX	Stainless Steel	-	Ø5.0mm Provata Implant	Medium to Dense	✓		Up to 10
D-50TP-XX-L	Titanium Alloy	-	Ø5.0mm Provata Implant, Longer Sha Drill	Medium to Dense	✓		Up to 10
			TRI-NEX				
			Dedicated So Bone Drills				
DLS-35-XX	Titanium Alloy	-	Ø3.25mm Tri-Nex Implant	So	/ /		Up to 10
DLS-43-XX	Titanium Alloy	·	Ø4.3mm Tri-Nex Implant	So	✓		Up to 10
DLS-50-XX	Titanium Alloy	-	Ø5.0mm Tri-Nex Implant	So	✓	•	Up to 10
DLS-60-XX	Titanium Alloy	-	Ø6.0mm Tri-Nex Implant	So	✓	•	Up to 10
			Dedicated Drills				
D-L-35-XX	Stainless Steel	-	Ø3.25mm Tri-Nex Implant	Medium to Dense	✓		Up to 10
D-L-43-XX	Stainless Steel	-	Ø4.3mm Tri-Nex Implant	Medium to Dense	✓		Up to 10
D-L-50-XX	Stainless Steel	-	Ø5.0mm Tri-Nex Implant	Medium to Dense	√		Up to 10
D-L-60-XX	Stainless Steel	-	Ø6.0mm Tri-Nex Implant	Medium to Dense	✓		Up to 10
			DC (Deep Conical)				
D-DCT-30XX	Titanium Alloy	AlTiN	Ø3.0mm Deep Conical Implant	Medium to Dense	✓		Up to 10
D-DCT-35XX	Titanium Alloy	AlTiN	Ø3.5mm Deep Conical Implant	Medium to Dense	✓		Up to 10
D-DCT-40XX	Titanium Alloy	AlTiN	Ø4.0mm Deep Conical Implant	Medium to Dense	✓		Up to 10
D-DCT-50XX	Titanium Alloy	AlTiN	Ø5.0mm Deep Conical Implant	Medium to Dense	✓		Up to 10

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			M-Series (Internal Hex)			
D-MT37XX	Titanium Alloy	-	Ø3.7mm Internal Hex Implant	Medium to Dense	✓	Up to 10
D-MT42XX	Titanium Alloy	-	Ø4.2mm Internal Hex Implant	Medium to Dense	✓	Up to 10
D-MT50XX	Titanium Alloy	-	Ø5.0mm Internal Hex Implant	Medium to Dense	✓	Up to 10
			IT (Internal Octagon)			
D-4XXT	Stainless Steel	-	Ø4.0mm IT Implant with Ø4.8mm Interface	Medium to Dense	✓	Up to 10
D-5XXT	Stainless Steel	-	Ø5.0mm IT Implant with Ø4.8mm Interface Ø5.0mm IT Implant with Ø6.5mm Interface	Medium to Dense	✓	Up to 10
D-6XXT	Stainless Steel	-	Ø6.5mm IT Implant with Ø6.5mm Interface	Medium to Dense	✓	Up to 10
			INVERTATM			
D-IV37XXGS	Titanium Grade 4	Anodized	Ø3.75 & Ø4.5mm DC & External Hex Implant, Guided	Medium to Dense	✓	Up to 10
D-IV45XXGS	Titanium Alloy	Anodized	Ø4.5mm DC & External Hex Implant, Guided	Medium to Dense	V	Up to 10
D-IV50XXGS	Titanium Alloy	Anodized	Ø5.0mm DC & External Hex Implant, Guided	Medium to Dense	Y	Up to 10
D-IV60XXGS	Titanium Alloy	-	Ø6.0mm DC & External Hex Implant, Guided	Medium to Dense	✓	Up to 10
D-IV37XX	Titanium Grade 4	Anodized	Ø3.75 & Ø4.5mm DC & External Hex Implant, Step Drill	Medium to Dense	*	Up to 10
D-IV45XX	Titanium Alloy	Anodized	Ø4.5mm DC & External Hex Implant	Medium to Dense	*	Up to 10
D-IV50XX	Titanium Alloy	Anodized	Ø5.0mm DC & External Hex Implant	Medium to Dense	*	Up to 10
D-IV60XX	Titanium Alloy	-	Ø6.0mm DC & External Hex Implant	Medium to Dense	4	Up to 10
			MAX Implants (MAX, PROMAX, TRI-MA	AX, MAXIT)		
D-MAX6-X	Tita-sissas Allass		Ø6.0mm MAX External Hex Implant	Medium to Dense	1	Up to 10
D-IVIAX6-X	Titanium Alloy		Ø6.0mm MAX PROMAX Implant		,	Up to 10
			Ø7.0mm MAX External Hex Implant	Medium to Dense		Up to 10
D-70TP-XX	Titanium Alloy		Ø7.0mm MAX PROMAX Implant		✓	Up to 10
D-7011-XX	Titaliidiii Alloy		Ø7.0mm MAX TRI-MAX Implant			Up to 10
			Ø7.0mm MAX MAXIT Implant			Up to 10
D-70TP-X-L	Titanium Alloy		All Ø7.0mm MAX Implants, Longer Sha Drills	Medium to Dense	✓	Up to 10
	Titanium Alloy		Ø8.0mm MAX External Hex Implant	Medium to Dense	*	Up to 10
D-80TP-X			Ø8.0mm MAX PROMAX Implant			Up to 10
D-8011-X Intalliuli			Ø8.0mm MAX TRI-MAX Implant			Up to 10
			Ø8.0mm MAX MAXIT Implant			Up to 10
D-80TP-X-L	Titanium Alloy		All Ø8.0mm MAX Implants, Longer Sha Drills	Medium to Dense	✓	Up to 10
D-90TP-X	Titanium Alloy	tanium Alloy	Ø9.0mm MAX External Hex Implant	Medium to Dense	√	Up to 10
			Ø9.0mm MAX PROMAX Implant			Up to 10
			Ø9.0mm MAX TRI-MAX Implant			Up to 10
			Ø9.0mm MAX MAXIT Implant			Up to 10
D-90TP-X-L	Titanium Alloy		Ø9.0mm MAX Implants, Longer Sha Drills	Medium to Dense	 	 Up to 10

Table 2

Drill code	Material	Coa ng (if any)	Final recommended Tapered: Drill for Implant Placement	Bone Condi on (So , Medium, Dense)	Drill Iden Laser Marked	②ca on: Colour ID	Number of Uses	
	External Hex							
D-TAP-IBNT	Titanium Alloy	-	Ø3.25mm External Hex Implant	Dense	✓		Up to 10	
D-TAP-IBT	Titanium Alloy	-	Ø4.0mm External Hex Implant	Dense	✓		Up to 10	
D-TAP-BAT	Titanium Alloy	-	Ø5.0mm External Hex Implant	Dense	✓		Up to 10	
D-TAP-BBBT	Titanium Alloy	-	Ø6.0mm External Hex Implant	Dense	✓		Up to 10	
Provata (Internal Hex)								
D-TAP-IBNT	Titanium Alloy	-	Ø3.25mm Provata Implant	Dense	✓		Up to 10	
D-TAP-IBT	Titanium Alloy	-	Ø4.0mm Provata Implant	Dense	✓		Up to 10	
D-TAP-BAT	Titanium Alloy	-	Ø5.0mm Provata Implant	Dense	✓		Up to 10	
TRI-NEX								
D-TAP-L-35	Titanium Alloy	-	Ø3.25mm Tri-Nex Implant	Dense	✓		Up to 10	
D-TAP-L-43	Titanium Alloy	-	Ø4.3mm Tri-Nex Implant	Dense	✓		Up to 10	
D-TAP-L-50	Titanium Alloy	-	Ø5.0mm Tri-Nex Implant	Dense	✓		Up to 10	
D-TAP-L-60	Titanium Alloy	-	Ø6.0mm Tri-Nex Implant	Dense	✓		Up to 10	

			IT (Internal Octagon)				
D-TAP-ITT4	Titanium Alloy	-	Ø4.0mm IT Implant with Ø4.8mm Interface	Dense	✓		Up to 10
D-TAP-ITT5	Titanium Alloy	-	Ø5.0mm IT Implant with Ø4.8mm Interface	Dense	√		Up to 10
			Ø5.0mm IT Implant with Ø6.5mm Interface				
D-TAP-ITT6	Titanium Alloy	-	Ø6.5mm IT Implant with Ø6.5mm Interface	Dense	✓		Up to 10
			INVERTA TM				
IV-TR-45XX	Titanium Alloy	Anodized	Ø4.5mm DC & External Hex Implant	Medium to Dense	✓		Up to 10
IV-TR-50XX	Titanium Alloy	Anodized	Ø5.0mm DC & External Hex Implant	Medium to Dense	✓		Up to 10
IV-TR-60XX	Titanium Alloy	Anodized	Ø6.0mm DC & External Hex Implant	Medium to Dense	✓		Up to 10
			MAX Implants (MAX, PROMAX, TRI-MA	AX, MAXIT)			
D-TAP-MAX6-X	Titanium Alloy	-	Ø6.0mm MAX External Hex Implant	Dense	1		Up to 10
D-TAP-IVIANO-N			Ø6.0mm MAX PROMAX Implant				Up to 10
	Titanium Alloy	-	Ø7.0mm MAX External Hex Implant	Dense	*		Up to 10
D-TAP-MAX7-X			Ø7.0mm MAX PROMAX Implant				Up to 10
D-TAF-IVIAA7-A			Ø7.0mm MAX TRI-MAX Implant				Up to 10
			Ø7.0mm MAX MAXIT Implant				Up to 10
	Titanium Alloy	-	Ø8.0mm MAX External Hex Implant	Dense	•		Up to 10
D-TAP-MAX8-X			Ø8.0mm MAX PROMAX Implant				Up to 10
D-IAI-IVIAXO-X			Ø8.0mm MAX TRI-MAX Implant				Up to 10
			Ø8.0mm MAX MAXIT Implant				Up to 10
	Titanium Alloy	-	Ø9.0mm MAX External Hex Implant	Dense	~		Up to 10
D-TAP-MAX9-X			Ø9.0mm MAX PROMAX Implant				Up to 10
D IAF-IVIANS-N			Ø9.0mm MAX TRI-MAX Implant				Up to 10
			Ø9.0mm MAX MAXIT Implant				Up to 10

Indica ons for use of Our tapered drills and bone taps

Southern Implants tapered drills are indicated for a step-wise drilling approach, when preparing an osteotomy, for tapered implants, in so, medium or dense bone, by following the drill protocols as recommended in the product catalogues.

Southern Implants bone taps are indicated for pre-tapping a thread into the bone when preparing an osteotomy in dense bone, by following the drill protocols as recommended in the product catalogues, to aid in implant placement.

Contraindica ons

Do not use in pa ents:

- who are medically un1t for dental implant procedures
- where adequate numbers of implants could not be placed to achieve full func onal support of the prosthesis,
- who are allergic or have hypersensi vity to pure tanium or tanium alloy (Ti-6Al-4V), gold, palladium, pla num or iridium.
- who are under the age of 18, have poor bone quality, blood disorders, infected implant site, vascular impairment, uncontrolled diabetes, drug or alcohol abuse, chronic high dose steroid therapy, an -coagulant therapy, metabolic bone disease, radiotherapy treatment.

Warnings

THESE INSTRUCTIONS ARE NOT INTENDED AS A SUBSTITUTE FOR ADEQUATE TRAINING.

- For the safe and effec ve use of dental implants it is suggested that specialised training be undertaken, including hands-on training tolearn proper technique, biomechanical requirements and radiographic evalua ons.
- Responsibility for proper pa ent selec on, adequate training, experience in the placement of implants, and providing appropriate informa on for informed consent rests with the prac oner. Improper technique can result in implant failure, damage to nerves/vessels and/or loss of suppor ng bone.

- The use of non-sterile items can lead to secondary infecons of the ssue or transfer infec ous diseases.
- Blunt drills may cause damage to the bone which could compromise osseointegra on.

Cau ons

New and experienced Implant users should do training before using a new system or a empt to do a new treatment method. Take special care when trea ng pa ents who have local or systemic factors that could affect the healing of the bone and so ssue. (i.e. poor oral hygiene, uncontrolled diabetes, are on steroid therapy, smokers, infec on in the nearby bone and pa ents who had oro-facial radiotherapy.)

Thorough screening of prospec ve implant candidates must be performed including:

- A comprehensive medical and dental history.
- Visual and radiological inspec on to determine adequate bone dimensions, anatomical landmarks, occlusal condi ons and periodontal health.
- Bruxism and unfavourable jaw rela ons must be taken into
- Proper pre-opera ve planning with a good team approach between well-trained surgeons, restora ve den sts and lab technicians is essen al for successful implant treatment.
- Minimizing the trauma to the host ssue increases the poten al for successful osseointegra on.
- Electro-surgery should not be a empted around metal implants, as they are conduc ve.

During surgery

Care must be taken that parts are not swallowed during any of the procedures, a rubber-dam applica on is recommended when appropriate. All components, instruments and tooling used during the clinical or laboratory procedure must be maintained in good condi on and care must be taken that instrumenta on does not damage implants or other components or equipment.

Post-surgery

Regular pa ent follow-up, and proper oral hygiene must be achieved to ensure favourable long-term results.

English INSTRUCTIONS FOR USE: Southern Implants® Tapered Drills and Taps (re-useable)

Storage, cleaning & sterilisa on

These devices are supplied sterile (sterilised by gamma irradia on). Sterility is assured unless the, container or seal is damaged or opened. If packaging is damaged do not use the product and contact your Southern representa ve/ or return to Southern Implants. The devises must be stored in a dry place at room temperature and not exposed to direct sunlight. Incorrect storage may in Quence device characteris cs.

Single use devices:

Do not reuse devices indicated for single use. (Use the device prior to the expira on date).

Do not reuse implants, single use drills, cover screws, temporary abutments and abutments. Reusing these components may result in:

- Damage on the surface or cri cal dimensions, which may result in performance and compa bility degrada on.
- Adds the risk of cross-pa ent infec on and contamina on if singleuse items are reused.

Southern Implants does not accept any responsibility for complica ons associated with reused components.

Reusable devices:

Prior to re-using this device, it needs to be inspected, if there are signs of visible corrosion, deformed or twisted connec ons, dull cu ng edges, expected wear and damage, this device shall be disposed off. A er inspec on, and re-use seems Dt, the devises are cleaned, disinfected and sterilised.

If re-use seems 2t:

- Containment: As soon as prac cally possible, remove all visible residue a er use (bone, blood or ssue), by immersing the instrument in cold water (Dried soil is difficult to remove).
- Pre-Cleaning: Rinse with lukewarm water for 3 minutes, and remove hardened debris with a so nylon brush. Avoid mechanical damage during cleaning.
- Manual Cleaning or Automated Cleaning: Prepare an ultrasonic bath with suitable detergent, sonicate for 20 minutes (Alterna ve methods can be used if proven by the end user). Rinse with puriled / sterile water. Load devices into a thermo-disinfector. Run the cleaning and disinfec on cycle, followed by the drying cycle.

NOTE: Always follow the instruc ons for use of the manufacturers of cleaning agents and disinfectants.

- Drying: Dry the instruments with Iltered compressed air or single use lint-free wipes. Pack the instruments as quickly as possible a er removal into the storage container. If addi onal drying is necessary, dry in a clean loca on. Moisture on these devices can cause corrosion and deteriora on of the cu ng edges.
- Inspec on: Do a visual inspec on of the items to check for any damage.
- Packaging: Use the correct packaging material as indicated for steam sterilisa on to ensure sterility is maintained. Double packaging is recommended.

Sterilisa on

Southern Implants recommends the following procedure to sterilise the instruments prior to use/re-use:

Methods to sterilise these devices:

- Pre-vacuum Sterilisa on method: Steam sterilise the instruments at 132°C (270°F) at 180-220kPa for 4 minutes. Dry for at least 20 minutes in the chamber. Only an approved wrap or pouch for steam sterilisa on must be used.
- Pre-vacuum sterilisa on method: Wrapped, steam sterilise at 135°C (275°F) for 3 minutes. Dry for 20 minutes in the chamber. Use a wrap or pouch that is cleared for the indicated steam sterilisa on cycle.

Note: Users in the USA must ensure that the steriliser, wrap or pouch, and all steriliser accessories are cleared by the FDA, for the intended sterilisa on cycle.

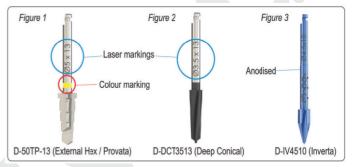
Clinical procedures

A proper clinical and radiological evalua on must be done to determine the bone dimensions and bone quality. Ensure that all instruments and drills are in a good condion.

Surgical procedure

Southern Implants provides the user with different drill op ons, for placement of tapered implants, depending on the bone quality. Refer to Table 1 and Table 2 for more details together with the product

The drill sizes are iden ②ed by different colour markings (paint on sha) and / or laser markings on sha and or anodised as shown in Figure 1,2



- 1. The tapered implants have dedicated tapered drills per implant length.
- 2. Tapered drills extend up to 1mm longer than the implant, when seated. Allow for this addi onal length when drilling near vital anatomical structures.
- 3. Drill at sufficient speed (800 rpm 1200 rpm with tapered drills), with copious irriga on using sterile saline. An intermi ent technique should be used to avoid overhea ng of the bone.

Note: Connect the drill latch to the handpiece. If the latch is not inserted fully into the handpiece the torque is applied to the latch, resul ng in possible twis ng of the latch or damage to the handpiece. Consult the instruc ons for use of the handpiece to ensure proper engagement of the latch.

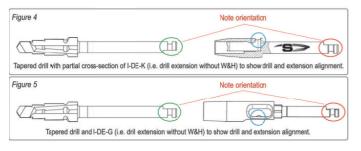
- 4. Use an up-and-down mo on with the handpiece, without stopping the motor. This will allow the irriga on to 2 ush away bone debris.
- 5. During surgery, the clinician will be able to assess the bone quality and should use dense bone protocols when necessary to prepare the site. This is to avoid the implant ge ng stuck before it is properly seated in the osteotomy.
- 6. Preparing the site should further involve: making sure the drill reaches full depth and / or use of the op onal bone tap to pre-tap the site. Tap at low speed (25rpm), with a maximum torque of 40 Ncm. Switch the handpiece to reverse mode for tap removal.

Note:

- Southern Implants taps feature a W&H hex on the sha , to achieve higher torque use a converter (I-WI-C-S) over the sha of the tap. The converter will engage the W&H hex on the tap and convert the tap to be used with a Southern Implants torque wrench. This will avoid the latch from ge ng stuck in the handpiece.
- Avoid lateral pressure (bending) on the drills during drilling procedures.
- Lateral pressure to the drill can cause drill fracture.
- Verify the drill is securely locked into the handpiece before drilling procedure starts.

Note: When a drill extension is used (I-DE-K / I-DE-G), care must be taken to ensure that the latch is fully engaged to prevent distor on. See Figure 4 and Figure 5 below.

- Drill extensions must NOT be used with ø6mm and larger drills, use longer sha drills instead.
- Drill extensions must NOT be used with Bone taps.



The orienta ons indicated in Figure 4 and Figure 5 ensure that the catch feature of the drill extension (circled in blue) slots into the latch groove of the drill (circled in green). This prevents the drill from sliding out of the drill extension.

Tapered drills can be used up to 10 mes or when the cu ng efficiency deteriorates, and bone taps up to 10 mes or when the cu ng efficiency deteriorates.

It is recommended to maintain a log of these drills, recording the number of uses. Prior to re-processing these components, it should be thoroughly inspected and tested to determine its suitability for re-use.

Note:

- Do not apply more than 40-45Ncm to any latch type drill/ instrument, this could cause damage to the handpiece and latch of the instrument.
- Blunt drills cause excessive torque and result in damage to the handpiece or drill latch.

Materials

Drills/Taps: Stainless Steel, or Titanium Grade 4 (Ti-6AL-4V) None, or Titanium Nitride (TiN), or Aluminium Drill Coa ng: Titanium Nitride (AITiN)

Clinical bene2ts

Pa ents can expect to have their missing teeth replaced and/or crowns restored.

Healing

The healing me required for osseointegra on depends on the individual and treatment protocol. It is the responsibility of the prac oner to decide when the implant can be restored. Good primary stability will govern if immediate loading can be done.

Implant care and maintenance

Poten al implant pa ents should establish an adequate oral hygiene regime prior to Implant therapy. Proper post-opera ve, oral hygiene and implant maintenance instruc ons must be discussed with the pa ent, as this will determine the longevity and health of the Implants. The pa ent should maintain regular prophylaxis and evalua on appointments.

Side effects

Poten al Side Effects and Temporary symptoms: Pain, swelling, phone c difficul es, gingival in amma on.

More persistent symptoms: The risks and complica ons with implants include, but are not limited to: (1) allergic reac on(s) to implant and/or abutment material; (2) breakage of the implant and/or abutment; (3) loosening of the abutment screw and/or retaining screw; (4) infec on requiring revision of the dental implant; (5) nerve damage that could cause permanent weakness, numbness, or pain; (6) histologic responses possibly involving macrophages and/or 2broblasts; (7) forma on of fat emboli; (8) loosening of the implant requiring revision surgery; (9) perfora on of the maxillary sinus; (10) perfora on of the labial and lingual plates; and (11) bone loss possibly resul ng in revision or removal.

Breakage

Implant and abutment fractures can occur when applied loads exceed the normal func onal torque strength of the material. Poten al overloading condions may result from; de deliciencies in implant numbers, lengths and/or diameters to adequately support a restora on, excessive can lever length, incomplete abutment sea ng, abutment angles greater than 30 degrees, occlusal interferences causing excessive lateral forces, pa ent parafunc on (e.g., bruxing, clenching), loss or changes in den on or func onality, inadequate prosthesis 12t, and physical trauma. Addi onal treatment may be necessary when any of the above condi ons are present to reduce the possibility of hardware complica ons or failure.

Changes in performance

It is the responsibility of the clinician to instruct the pa ent on all appropriate contraindica ons, side effects, and precau ons as well as the need to seek the services of a trained dental professional if there are any changes in the performance of the implant (e.g., looseness of the prosthesis, infec on or exudate around the implant, pain, or any other unusual symptoms that the pa ent has not been told to expect).

Disposal

Disposal of the device and its packaging; Follow local regula ons and environmental requirements, taking different contamina on levels into account. When disposing of spent items, take care of sharp drills and instruments. Sufficient PPE must be used at all mes.

Disclaimer of liability

This product is part of the Southern Implants product range and should only be used with the associated original products and according to the recommenda ons as in the individual product catalogues. The user of this product has to study the development of the Southern Implants product range and take full responsibility for the correct indica ons and use of this product. Southern Implants does not assume liability for damage due to incorrect use. Please note that some Southern Implants products may not be cleared or released for sale in all markets.

No ce regarding serious incidents

Any serious incident that has occurred in rela on with the device must be reported to the manufacturer of the device and the competent authority in the member state in which the user and / or pa ent is established.

The contact informa on for the manufacturer of this device to report a serious incident is as follows: sicomplaints@southernimplants.com

Basic UDI

Product	Basic-UDI Number
Basic-UDI for Drills and Hand Piece Devices	600954403875
Basic-UDI for Reusable Instruments	600954403876

Related literature & catalogues

CAT-2004- Tri-Nex Implants Product Catalogue

CAT-2005 - IT Implants Product Catalogue

CAT-2020- External Hex Implants Product Catalogue

CAT-2042 - Deep Conical Implants Product Catalogue

CAT-2043- Internal Hex Implants Product Catalogue

CAT-2060- PROVATA® Implants Product Catalogue CAT-2069- INVERTA® Implants Product Catalogue

CAT-2070- Zygoma c Implants Product Catalogue

Symbols and Warnings



























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device'

Irradiation

Sterilization

Non-sterile

Caution

for use

Consult

Use by date Do not reuse (mm-yy)

Do not

Batch code

Do not use if package is damaged

Medical

* Prescription device: Rx only. Caution: Federal Law restricts this device to sale by or on the order of a licenced physician or dentist.

Canada licence exemption: Please note that not all products may have been

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