



SOUTHERNIMPLANTS®

Innovative Treatment Solutions

ZYGOMATIC Implants
Product Catalogue





Southern Implants is a leading provider of unique and innovative dental implant products with a focus on top-end professional users who want more choices. Southern's expertise in research, development and manufacturing of dental implants allows us to provide Innovative Treatment Solutions that will reduce treatment times and improve patient outcomes.

Striving for excellence and meeting customer needs, has led to our wide product range characterized by Unique and Innovative products which include;

- Multiple interfaces, to suit customer preference.
- INVERTA™ implant, featuring a body-shift design, engineered for primary stability and suitable for immediate loading.
- Co-Axis®, sub-crestal angle correcting implant, available in angulations of 12, 24 & 36° and various internal and external connections.
- MAX implant, specifically designed for immediate molar tooth replacement.
- The ZYGAN and ZYGEX implants for severely resorbed maxilla and craniofacial reconstruction.

Our product portfolio is in synchronized evolution with protocol improvements and technological advances.

My sincere thanks to all specialists, dentists and technicians who put their trust in our company.


Graham Blackbeard
Managing Director, Southern Implants

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ZYGOMATIC PROTOCOL SYNOPSIS

Southern Implants is aware of a number of different protocols currently used by various centres around the world. The classic technique for zygomatic placement involved cutting a sinus window and placing the implant through the sinus. The sinus-slot technique, and exteriorized technique have since been developed, with the implant placed through the sinus wall and outside the sinus wall, respectively. It has been suggested that the choice of technique should consider the ridge crest concavity and sinus anatomy (Chrcanovic et al 2013). The ZAGA approach classifies the anatomy into different types to determine the appropriate technique for Zygomatic placement (Aparicio et al 2013).

While the chosen placement technique and implant choice is up to the practitioner's preference, this section illustrates the best Southern Implants Zygomatic implant for each technique, using the ZAGA approach.

Anatomy	ZAGA classification	Implant path	Alternate placement technique	ZYG-55	ZYGAN	ZYGEX	ONC-55
Anterior maxillary wall is very flat	ZAGA 0	Intra-sinus	Classic	✓	✓		
Anterior maxillary wall is slightly concave	ZAGA 1	Intra-extra path	Classic/sinus-slot	✓	✓		
Anterior maxillary wall is concave	ZAGA 2	Extra-intra path	Sinus-slot/exteriorized	✓	✓		
Anterior maxillary wall is very concave	ZAGA 3	Extra-sinus	Exteriorized		✓	✓	✓
Maxilla and alveolar bone show extreme atrophy or maxilla has been resected	ZAGA 4	Extra-maxillary	Extra-alveolar			✓	✓



The Quad protocol, is placing two implants in one zygoma. The ZYGAN or ZYGEX are best due to their narrower apex.

The MSc Zygomatic implant also captures the advantage of a specific roughness machined coronal surface area that covers the top crestal 6mm of the implant. Indicated for patients with higher risk of coronal bone loss (smokers, history of periodontitis, cardio-vascular disease).

Implant dimensions & information on page 24

NOTE: • Images are for illustration purposes only and do not necessarily accurately represent the product.
 • All dimensions in this catalogue are in mm, unless otherwise specified.
 • Not all products are cleared for sale in all countries.

**ZYGOMATIC
ZYGAN**



ZYG-55



ZYGAN

Implants are pre-mounted and available in lengths of:

NOTE: Implant dimensions and information - page 24

ITEM CODE	IMPLANT LENGTH CODES (in mm)
ZYG-55-	35N / 37.5N / 40N / 42.5N / 45N / 47.5N / 50N / 52.5N / 55N / 60N
ZYGAN-	30 / 35 / 37.5 / 40 / 42.5 / 45 / 47.5 / 50 / 52.5 / 55 / 60

Surgical Components

Cover Screw

SCU2



Healing Abutments

TB



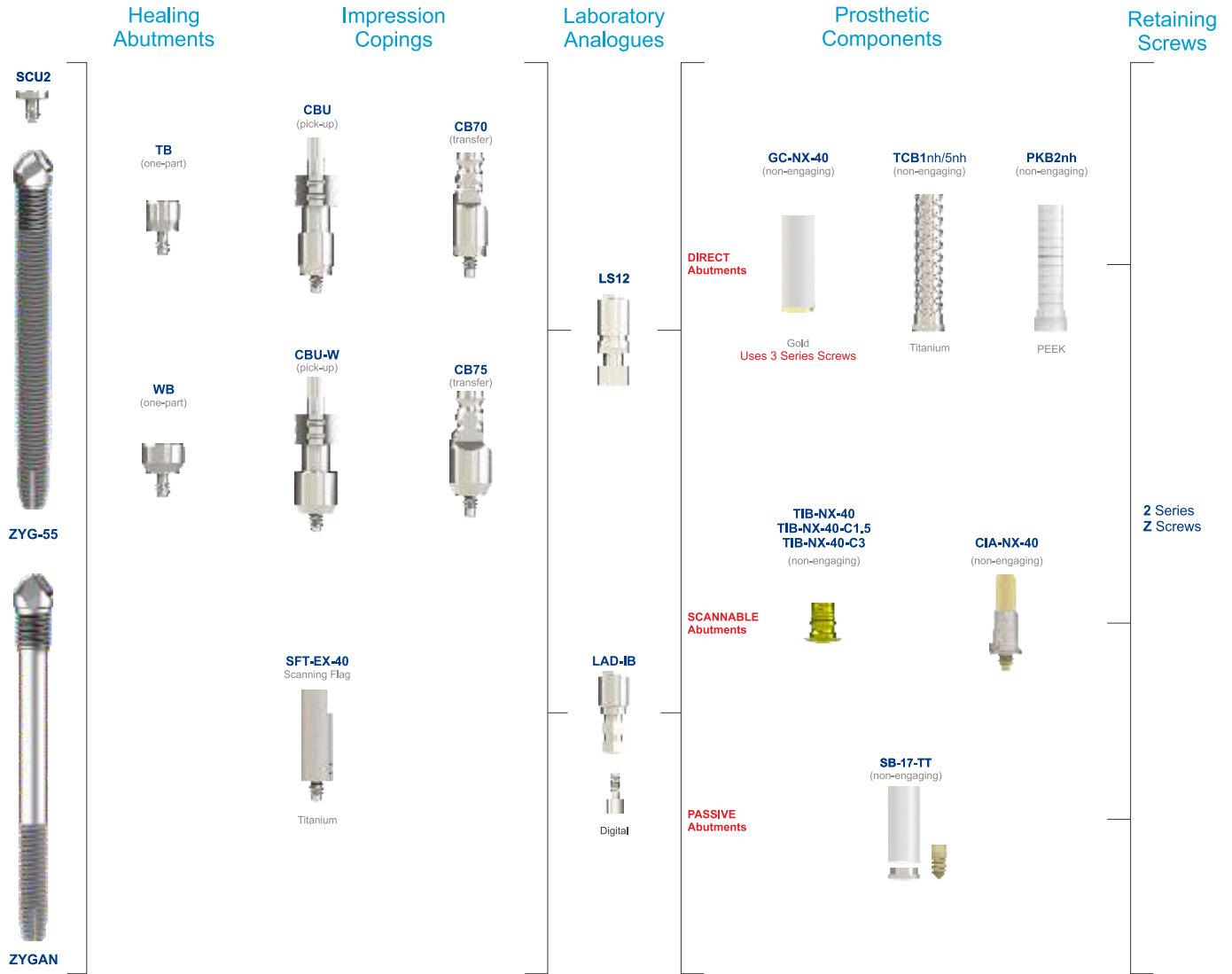
2/3/4/5/6/8
lengths

WB



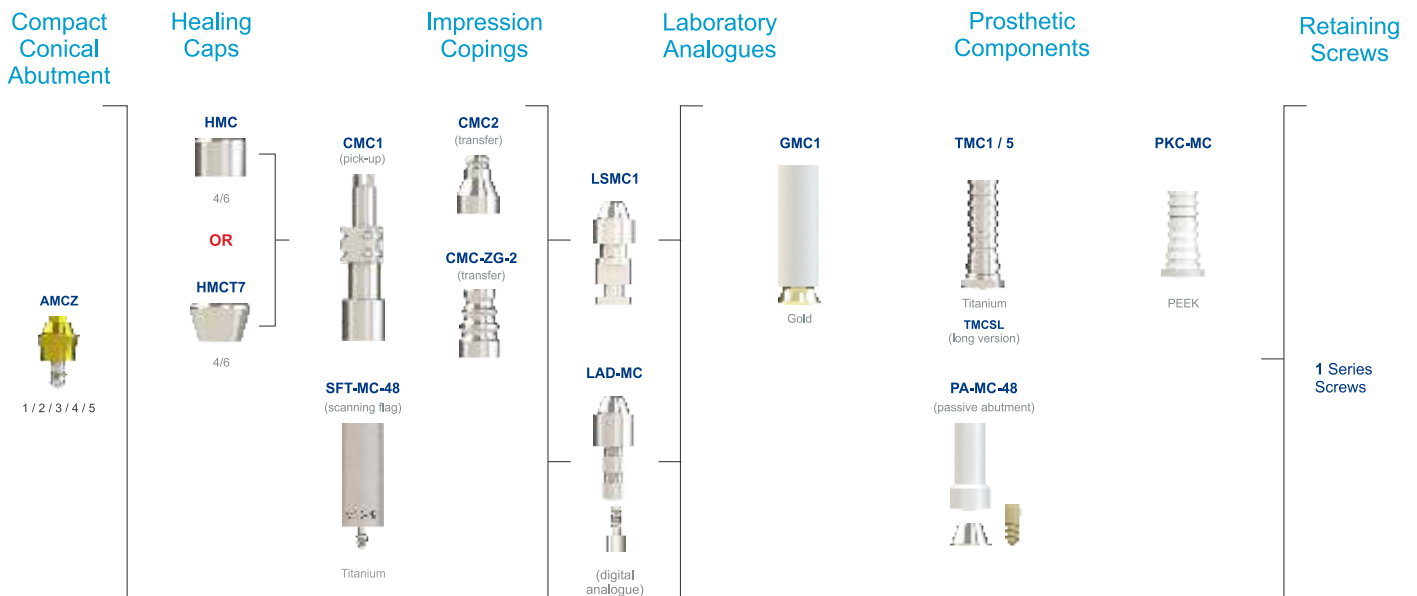
2/3/4/5/6/8
lengths

Direct



NOTE: For optimal coronal hard and soft tissue health, it is strongly recommended that all Southern Zygomatic implants are restored with compact conical abutments (Indirect route). The Direct route is only recommended if there are restorative considerations that preclude the use of compact conical abutments.

Indirect





ZYG-55



ZYGAN

Placement Tool

I-CON-X/S



Fixture Mount Driver

Fixture Mount Hex Driver, featuring W&H Hex



I-CONU-X/S



Universal Fixture Mount Driver

Fixture Mount Hex Driver, without W&H Hex



Converters

I-WI-CST



For Handpiece inserts (Latch-type) featuring the W&H hex

I-WI-SH



For HEX connection of fixture mounts

Drivers

I-AD



Abutment Driver

I-CS-HD



Cover Screw Driver 0.9 Hex

I-HD-M



Hex Driver 1.22 Hex

I-HD-22U-M

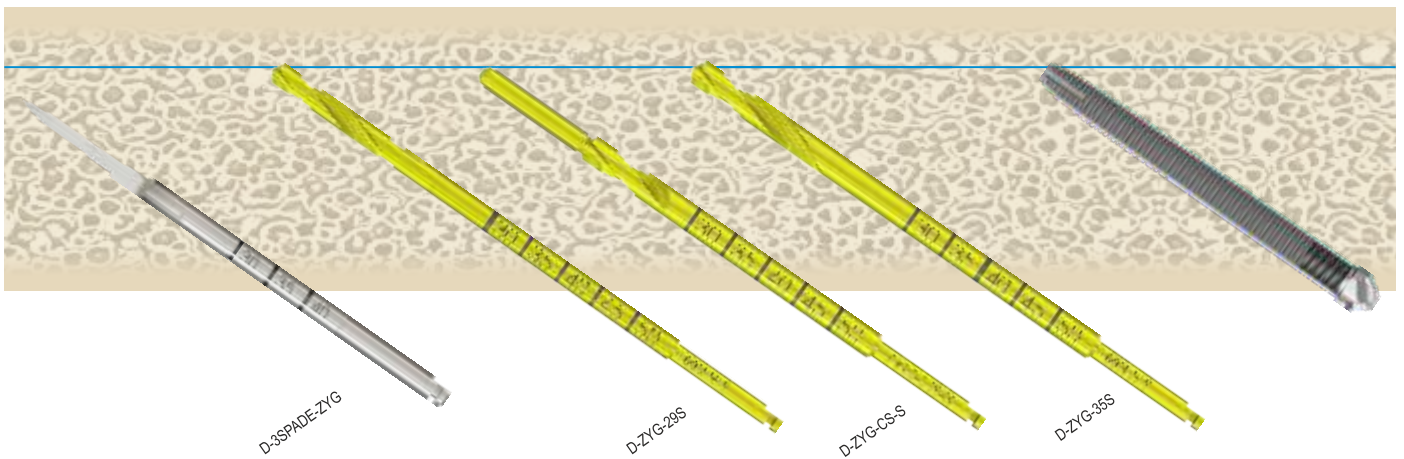
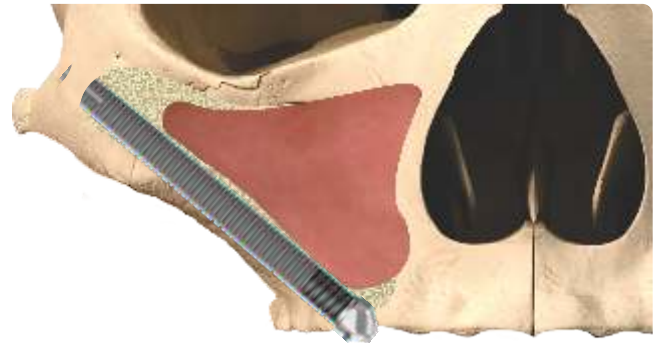


1.22 Universal Hex Driver

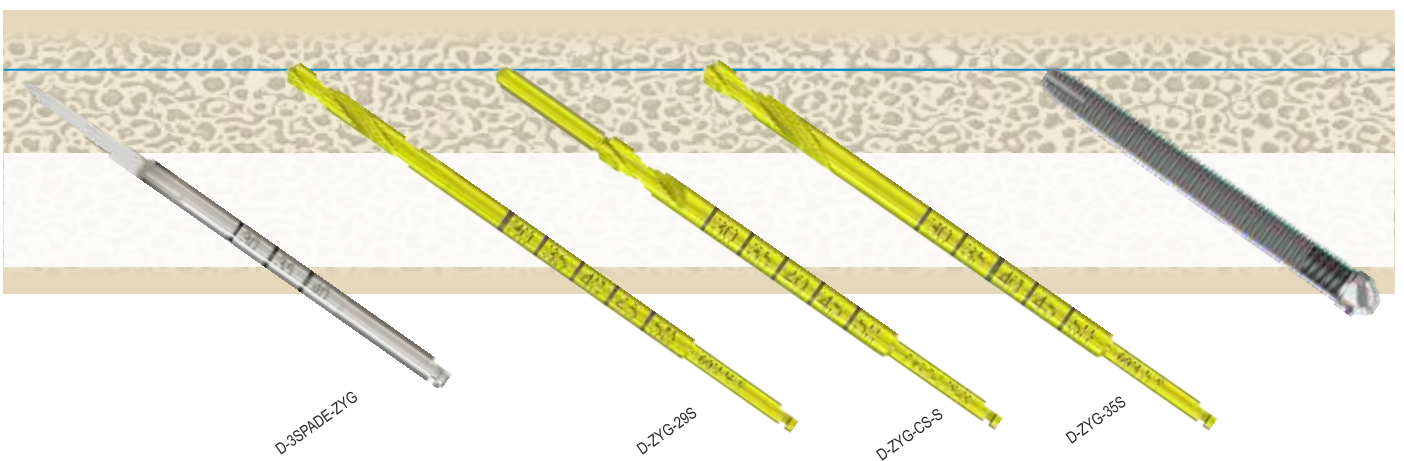
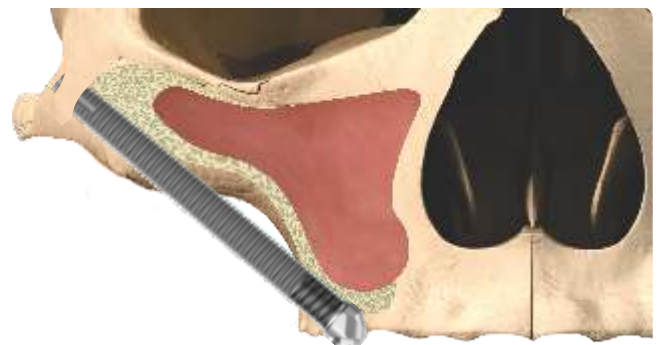
NOTE: Refer to CAT-1155 for more information on wrench insert converters.
Most instruments are available in various lengths

ZYGOMATIC

Sinus-slot or in-the-wall technique



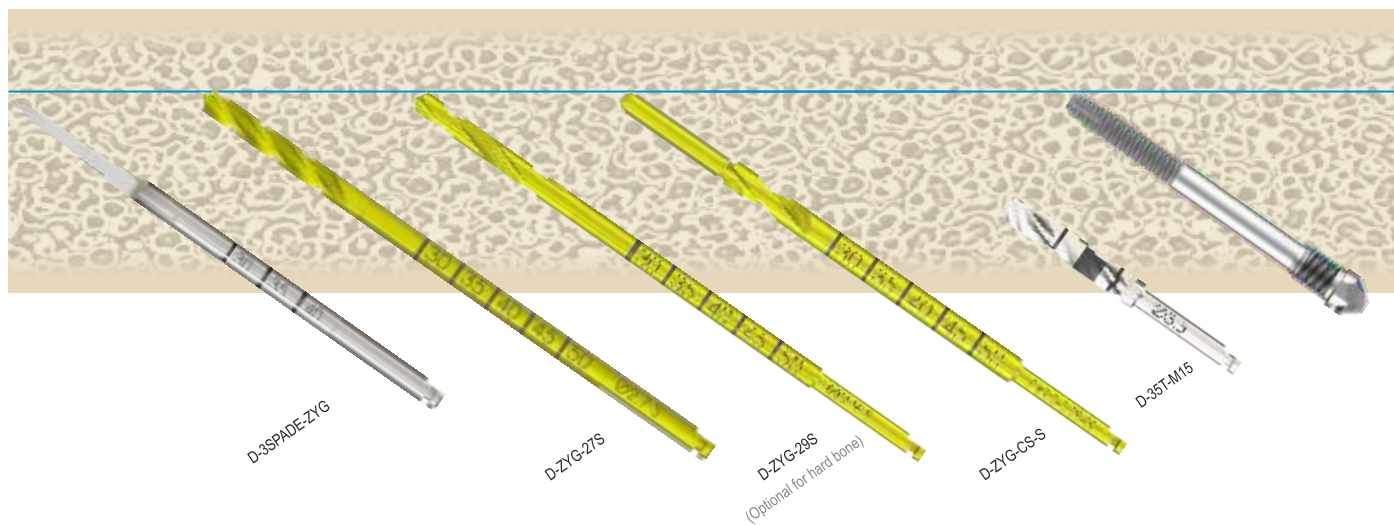
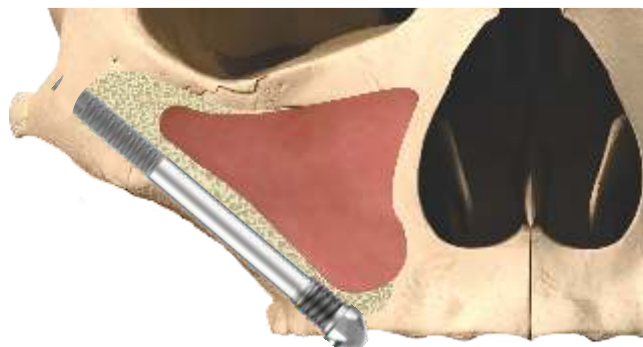
Exteriorized technique (in-out-in)



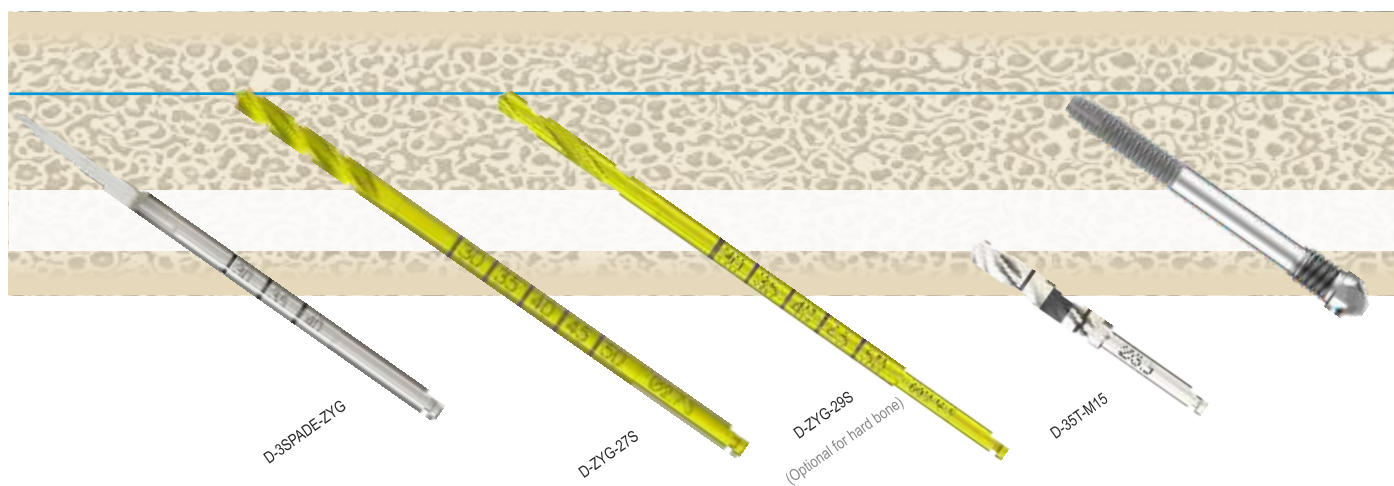
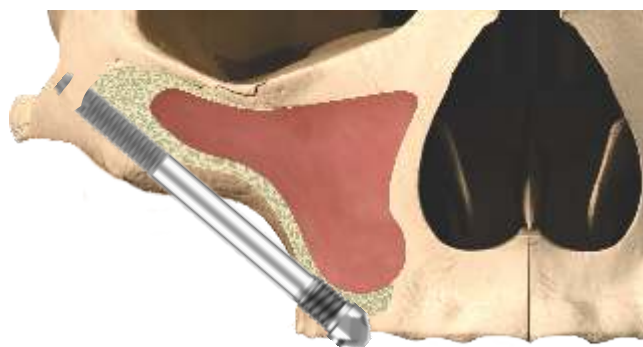
Site Preparation Sequence

ZYGAN

Sinus-slot or in-the-wall technique



Exteriorized technique (in-out-in)





ONC-55



ZYGEX

Implants are pre-mounted and available in lengths of:

NOTE: Implant dimensions and information - page 24

ITEM CODE	IMPLANT LENGTH CODES (in mm)
ONC-55-	27.5N / 32.5N / 37.5N / 42.5N / 47.5N
ZYGEX-	30 / 35 / 37.5 / 40 / 42.5 / 45 / 47.5 / 50 / 52.5 / 55

Surgical Components

Cover Screw

SCU2



Healing Abutments

TB



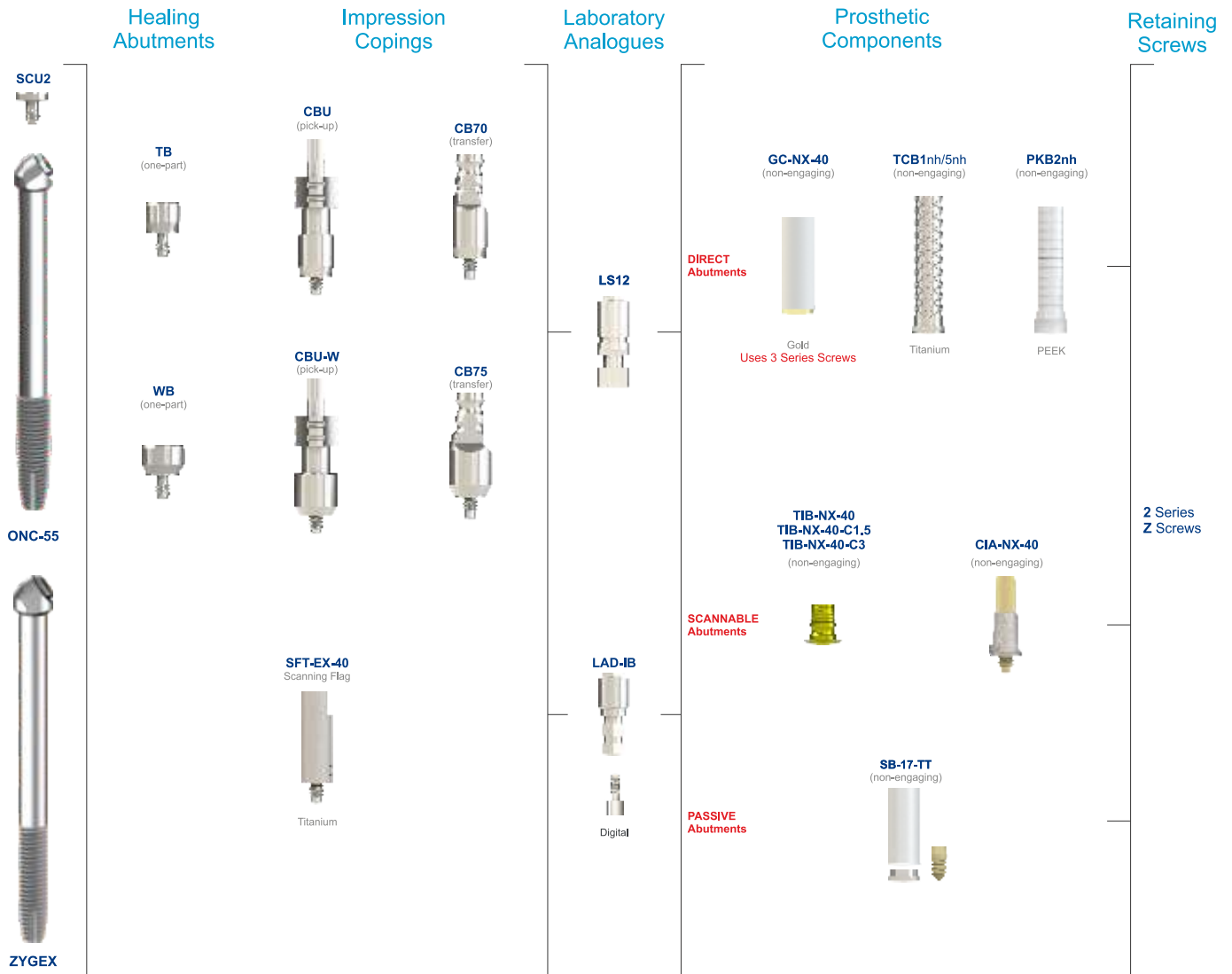
2/3/4/5/6/8
lengths

WB



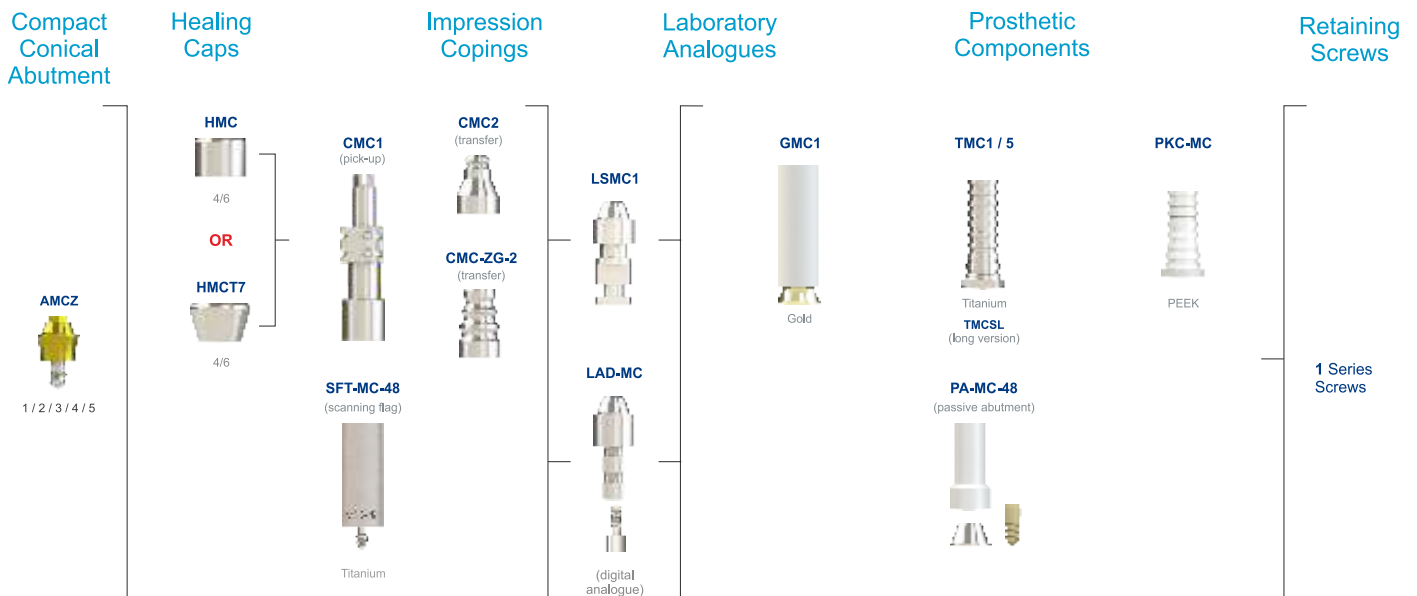
2/3/4/5/6/8
lengths

Direct



NOTE: For optimal coronal hard and soft tissue health, it is strongly recommended that all Southern Zygomatic implants are restored with compact conical abutments (Indirect route). The Direct route is only recommended if there are restorative considerations that preclude the use of compact conical abutments.

Indirect





Placement Tool

I-CON-X/S



Fixture Mount Driver

Fixture Mount Hex Driver, featuring W&H Hex



I-CONU-X/S



Universal Fixture Mount Driver

Fixture Mount Hex Driver, without W&H Hex



Converters

I-WI-CST



For Handpiece inserts (Latch-type) featuring the W&H hex

I-WI-SH



For HEX connection of fixture mounts

Drivers

I-AD



Abutment Driver

I-CS-HD



Cover Screw Driver 0.9 Hex

I-HD-M



Hex Driver 1.22 Hex

I-HD-22U-M



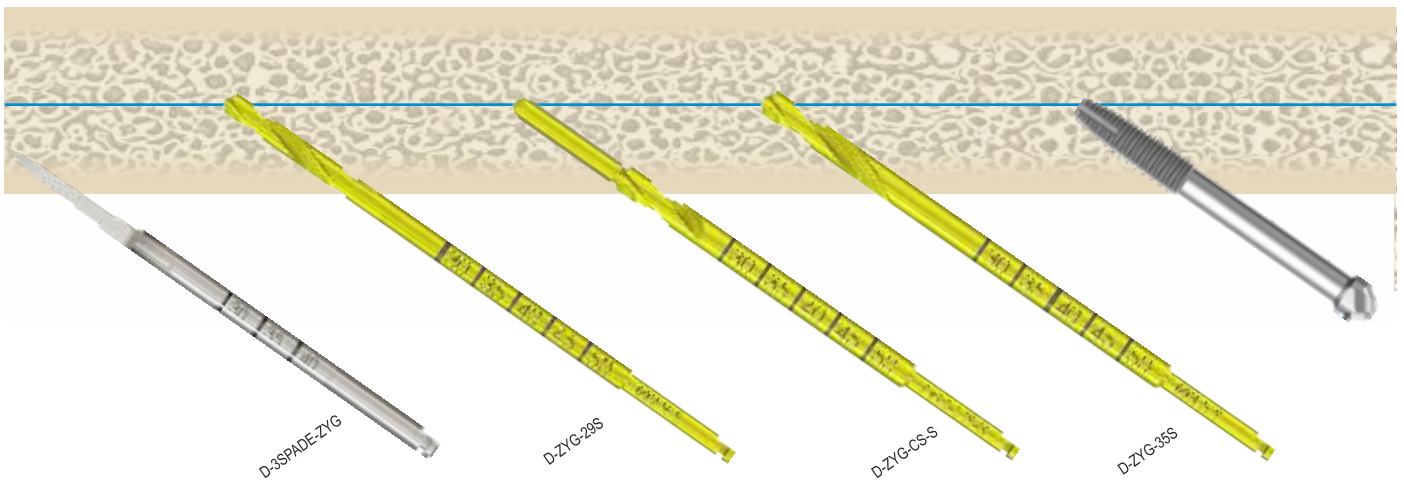
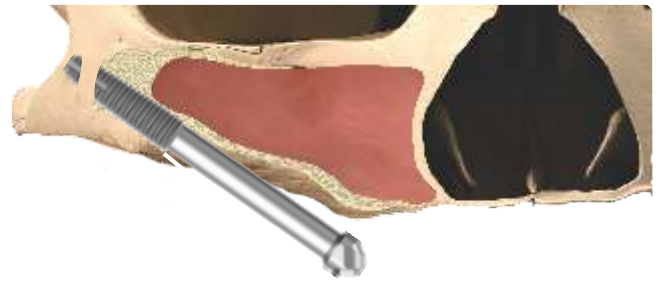
1.22 Universal Hex Driver

NOTE: Refer to CAT-1155 for more information on wrench insert converters.
Most instruments are available in various lengths

Site Preparation Sequence

ONC

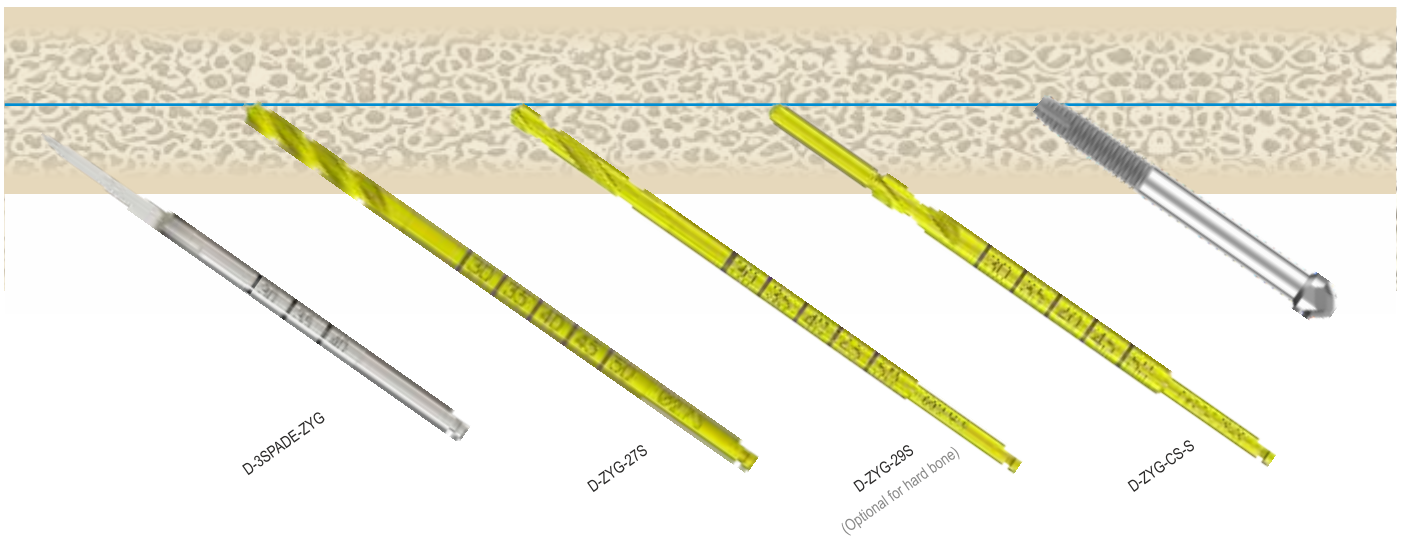
Maxillectomy



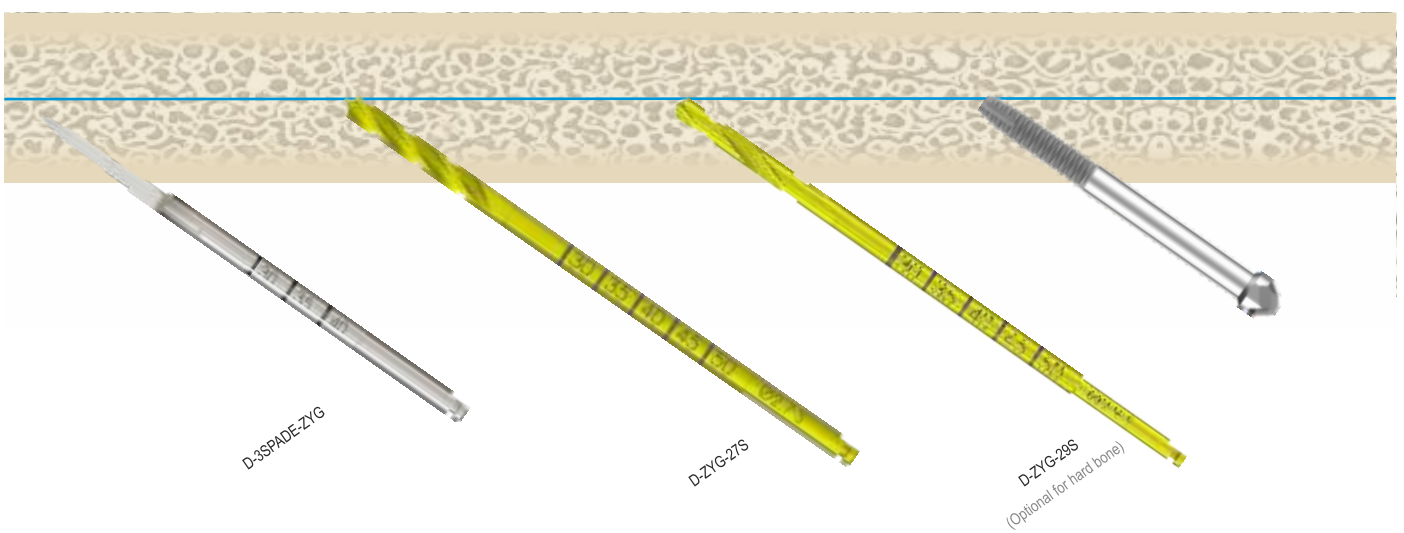
Site Preparation Sequence

ZYGEX

Exteriorized technique



Maxillectomy



**DRILLS
INSTRUMENTS**

Pilot Drills

D-3SPADE-ZYG D-ZYG-RB



Ø2.7mm

D-ZYG-27 D-ZYG-27S



Ø2.9mm

D-ZYG-29 D-ZYG-29S



Ø3.5mm

D-ZYG-35 D-ZYG-35S D-35T-M15



Counter-Sink







D-ZYG-CS D-ZYG-CS-S






CAUTION: When drilling close to crucial anatomical landmarks, consider that the drill preparation site may be up to 1mm deeper than the corresponding implant length.

DRIVER INFORMATION

Drivers

HANDHELD		HANDPIECE		WRENCH	
1.22	UNIVERSAL 1.22/1.27	1.22	UNIVERSAL 1.22/1.27	1.22	UNIVERSAL 1.22/1.27
					
I-HD-S/M/L	I-HD-22U-S/M/L	I-HHD-22S/M/L	I-HHD-22U-S/M/L	I-WI-22S/M/L	I-WI-22U-S/M/L




Cover Screw Drivers

HANDHELD	HANDPIECE	WRENCH
		
I-CS-HD/L	I-HHD-09	I-WI-09

Abutment Drivers (for Compact Conical Abutments)

HANDHELD	HANDPIECE	WRENCH
		
I-AD	I-HAD	I-WI-A

1 Series Screw Drivers

	HANDHELD	HANDPIECE	WRENCH
HEX	 I-HD-S/M/L	 I-HHD-22S/M/L	 I-WI-22S/M/L
UNIGRIP	 I-UGI-S/M/L	 I-HUG-S/M/L	 I-WI-UG-S/M/L

NOTE: Refer to CAT-1203 for alternative drivers

INSTRUMENT TRAY

I-ZYG-1 Zygomatic Instrument Tray

Pilot Drill
D-3SPADE-ZYG
D-ZYG-RB

Try-in Implants / Angle indicators
ZYG-TR-55-52.5
ZYG-TR-55-45
ZYG-TR-55-35

Ratchet Wrench
I-RATCHET-2

Twist Drills
Ø2.7
D-ZYG-27
D-ZYG-27S
Ø2.9
D-ZYG-29
D-ZYG-29S
Ø3.5
D-ZYG-35
D-ZYG-35S

Counter-Sinks
D-ZYG-CS
D-ZYG-CS-S

DRILLS

ZYGOMATIC IMPLANTS SURGICAL TRAY

I-ZYG-RET-1

I-RATCHET-2

I-ZYG-DG-1

I-ZYG-INS

Insertion Tools
I-CON-X / XS
Fixture Mount (Hex)
Driver with W&H
I-CONU-X / XS
Fixture Mount (Universal)
Driver

0.9 Hex Cover Screw Drivers
I-CS-HD/L
Handheld
I-HHD-09
Handpiece
I-WI-09
Wrench

1.22 Hex Drivers
I-HD-S/M/L
Handheld
I-HHD-22-S/M/L
Handpiece
I-WI-22-S/M/L
Wrench

1.22/1.27mm Universal HEX Drivers
I-HD22U-S/M/L
Handheld
I-HHD-22U-S/M/L
Handpiece
I-WI-22U-S/M/L
Wrench

NOTE:

- Zygomatic "TRY-IN" Implants are suitable for use with both the new and previous generation implants.
- The surgical kit has an intuitive layout to guide the surgeon through the drill sequence.
- Most Instruments available in Short / Medium / Long.
- All instruments and tooling used during the procedure must be maintained in good condition, and cleaned and sterilized prior to use. Please consult the Southern Implants Cleaning and Sterilization Procedure Guidelines (CAT-1039) for guidance concerning the maintenance of drills, instruments, and surgical trays.

Retractor

I-ZYG-RET-1



Depth Gauge

I-ZYG-DG-1



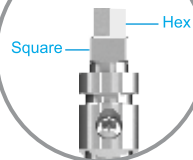
Insertion Tools

I-ZYG-INS-1

To fit square on
Fixture Mount

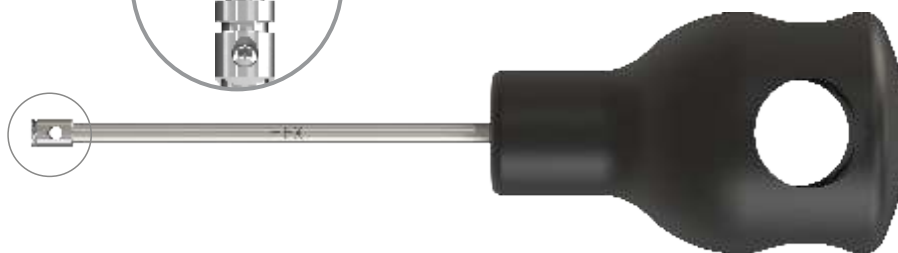


or



I-ZYG-INS-2

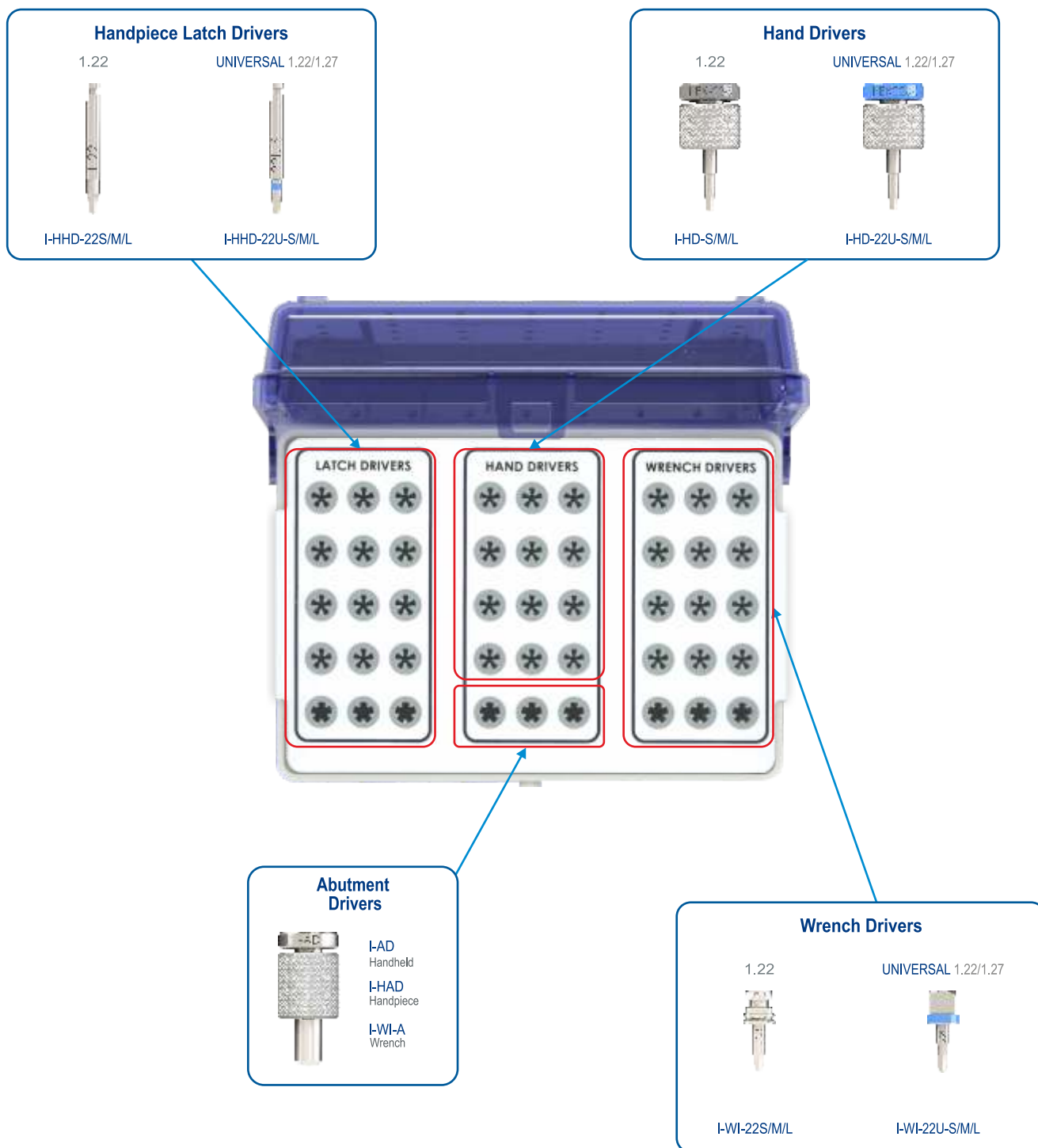
To fit hex on
Fixture Mount



NOTE:

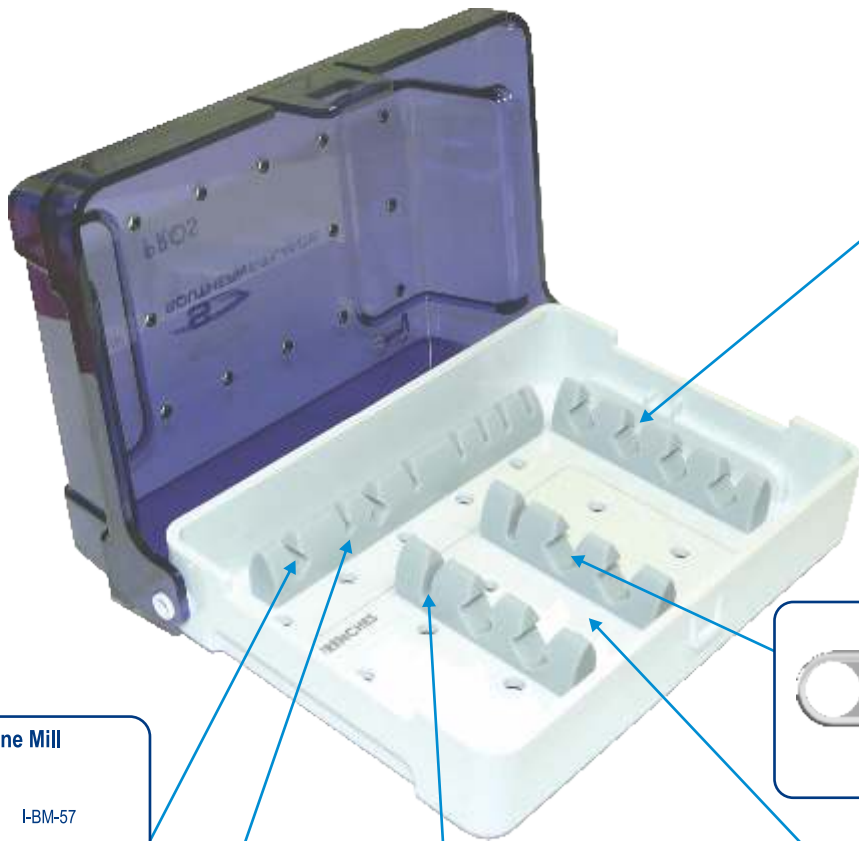
- I-ZYG-INS-1 drives on the Square of the fixture-mount (Silver handle for easy identification).
- I-ZYG-INS-2 drives on the Hex of the fixture mount. The narrow Hex tip allows for more visibility of the implant head (Black handle for easy identification).

I-PROS-EG Prosthetic Instrument Tray



NOTE:

- This instrument tray is to be **customised by the user** to be suitable for use with the preferred implant system and its surgical or prosthetic items.
- Most Instruments available in Short / Medium / Long.



Wrench Converters



I-WI-CST
For Handpiece inserts (Latch-type) featuring the W&H hex.



I-WI-SL
For Handpiece inserts (Latch-type) without the W&H hex.



I-WI-SS
For SQUARE connection of fixture mounts and instruments



I-WI-SH
For HEX connection of fixture mounts

Wrench



I-TWS

Bone Mill



I-BM-57

Bone Mill Protector Cap



I-BM-CAP

Bone Mill Protector Cap for Ø4.0mm implants

Flat Spanner



I-SP-X

Torque Attachment

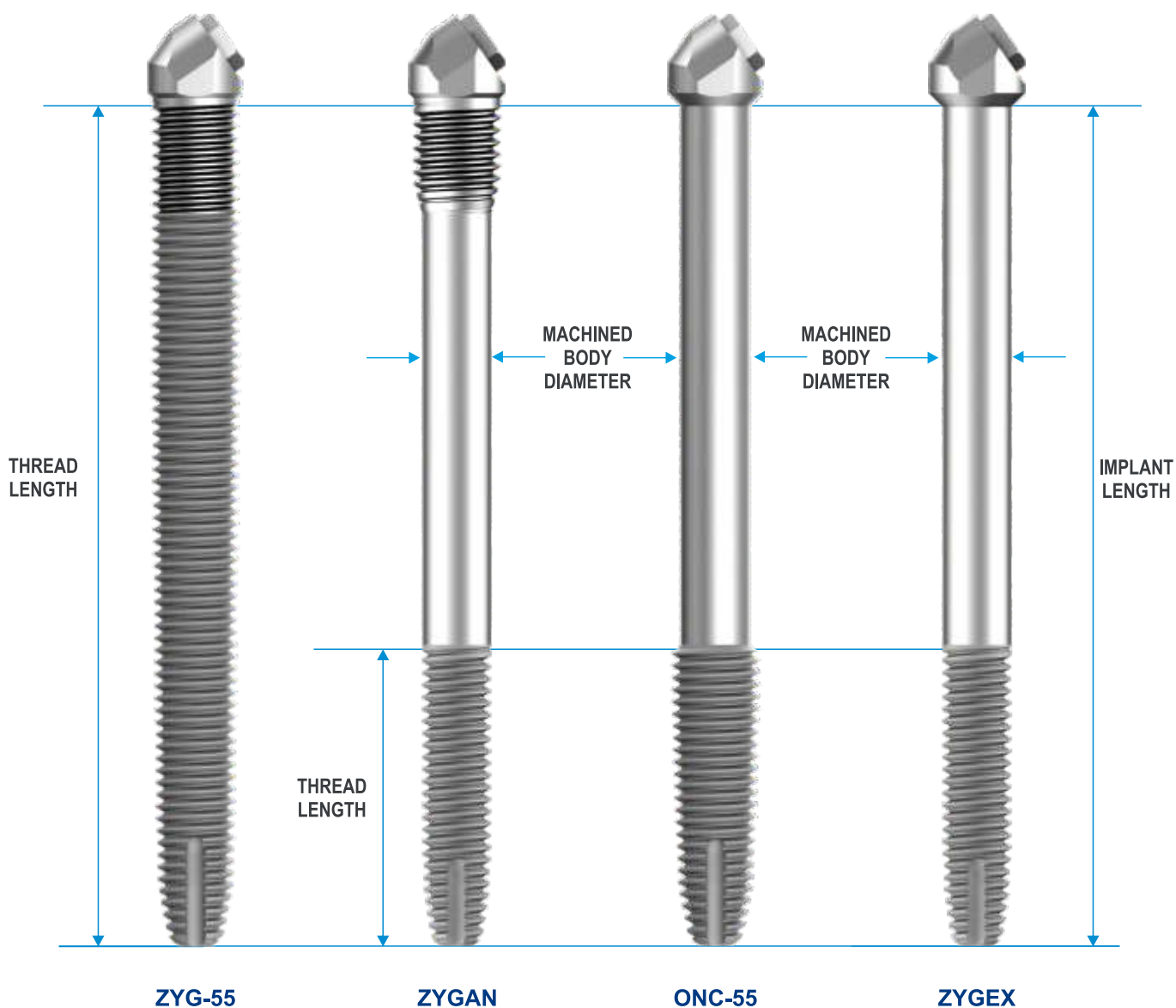


I-TWS-B45 (Prosthetic)
I-TWS-B100 (Surgical) *

* The Prosthetic tray can be utilized, as illustrated, to accommodate Surgical Instruments that are not part of the Zygomatic tray (I-ZYG-1).

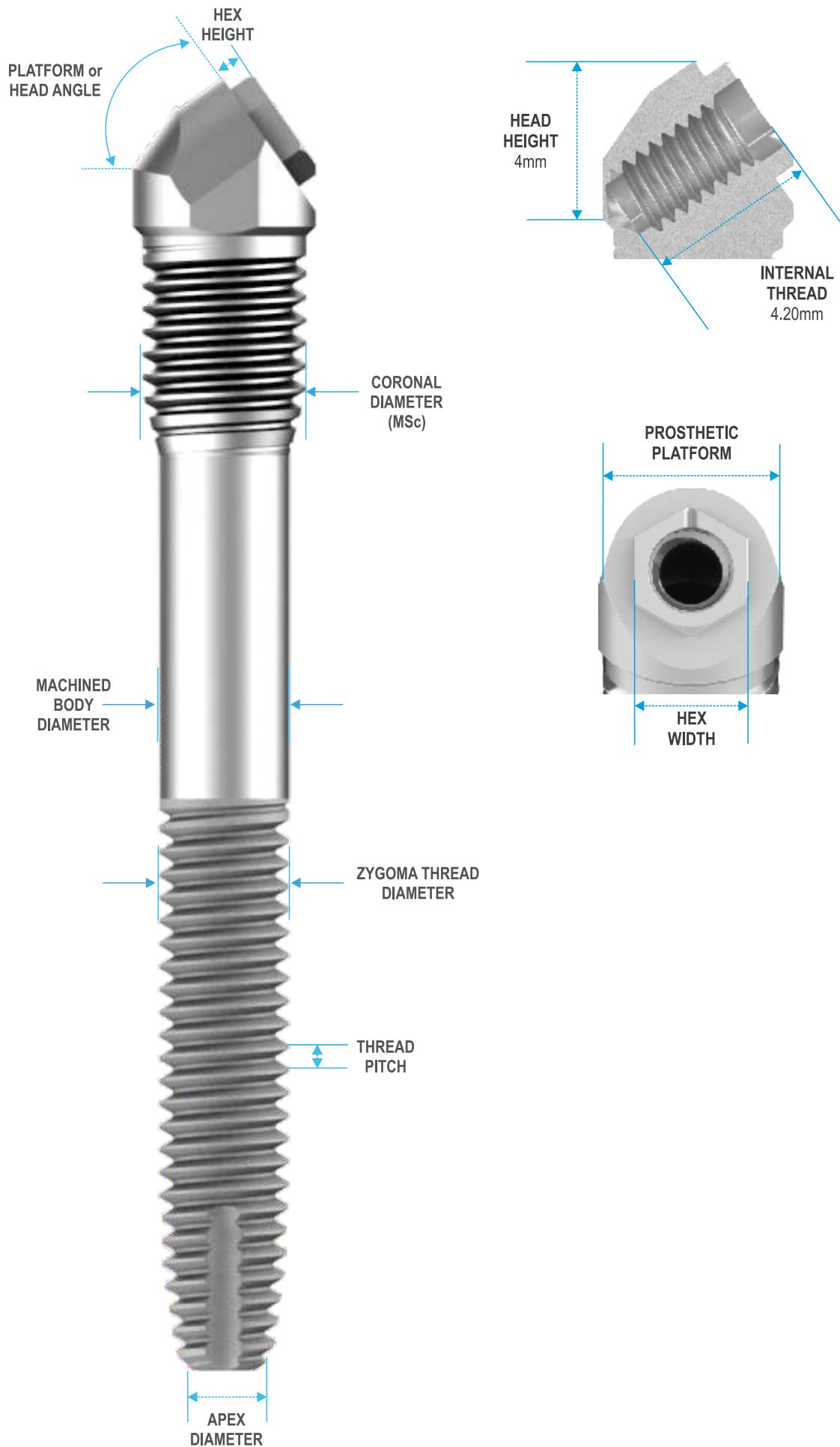
IMPLANT DIMENSIONS AND INFORMATION

RANGE											IMPLANT LENGTHS													
	THREADED CORONAL DIAMETER	MACHINED BODY DIAMETER	PROSTHETIC PLATFORM	ZYGOMA THREAD DIAMETER	HEX WIDTH	HEX HEIGHT	THREAD LENGTH	THREAD PITCH	APEX DIAMETER	PLATFORM or HEAD ANGLE	27.5	30	32.5	35	37.5	40	42.5	45	47.5	50	52.5	55	60	
ZYG	4.3		4.0	4.1	2.70	0.7	Full	0.6	3.0	55°				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ZYGAN	4.3	3.4	4.0	3.4	2.70	0.7	15	0.6	2.8	55°		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ONC	N/A	3.5	4.0	4.1	2.70	0.7	15	0.6	3.0	55°	✓		✓		✓		✓		✓					
ZYGEX	N/A	3.4	4.0	3.4	2.70	0.7	15	0.6	2.8	55°		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



NOTE:

- All dimensions are in mm, unless otherwise specified.
- Not all products are cleared for sale in all countries.



TORQUE TABLE FOR SOUTHERN SCREWS

2 Series screws

1.22 Hex (M2)



TSHZ2



BSH2*

QUAD (M2)



GSQZ2

SLOTTED (M2)



TSSZ2



GSSZ2



BSS2*

UNIGRIP (M2)



TSUZ2



GSUZ2

TORQUE:
32-40Ncm
Head Diameter:
2.70mm

Due to design revisions and changes, screw tips may be flat or rounded.

3 Series screws



TSHZ3



BSH3*



GSQZ3



TSSZ3



GSSZ3



BSS3*



TSUZ3



GSUZ3

TORQUE:
32-40Ncm
Head Diameter:
2.40mm

Note: Screw TORQUE with PEEK Prosthetics for $\lt; 0.4.0\text{mm}$ implant interfaces: 15Ncm
>= 0.4.0mm implant interfaces: 20Ncm

Due to design revisions and changes, screw tips may be flat or rounded.

Digital Laboratory Analogue screw

1.22 Hex



LAD-S

NOTE: Screw supplied with all Digital Analogues

TORQUE:
Finger tighten
Head Diameter:
2.40mm

TIB Abutment screw

1.22 Hex



TS-IT-TIB

TORQUE:
32-40Ncm
Head Diameter:
2.40mm

1 Series screws

M1.4

1.22 Hex



TSH1



GSH1



BSH1*

Slotted



TSS1



GSS1



BSS1*

Unigrip



TSU1



GSU1

TORQUE:
10-15Ncm
Head Diameter:
2.25mm

Note: Screw TORQUE with PEEK Prosthetics: 10 - 15Ncm

9 Series, Angled Compact Conical Abutment screws

M2

Unigrip



TSUZ9



GSUZ9

TORQUE:
20Ncm
Head Diameter:
2.50mm

- NOTE:**
- Due to design revisions screw tips may be flat or rounded.
 - Always ensure that the correct screw is used for the relevant implant and component.
 - * Blackened and for laboratory use only.

Screw Head Connections

Hex













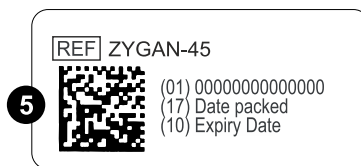
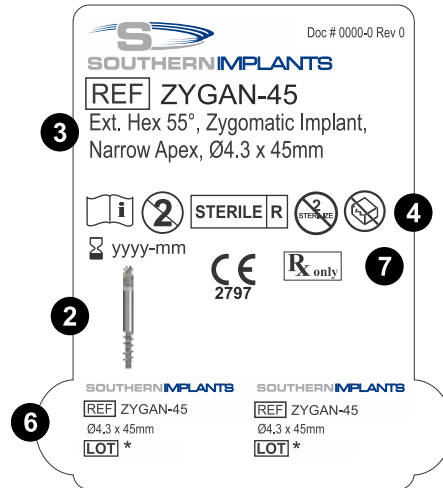
Unigrip



EXPLANATION OF SYMBOLS

The following symbols are used on our packaging labels and they indicate the following:

- 1  **Manufacturer**
- 2 **Implant image**
- 3 **Implant details and size**
- 4  **Sterilization using Irradiation**
 -  **Do not Resterilize**
 -  **Consult instruction for use**
 -  **Do not reuse**
 -  **Caution**
 -  **CE mark and notified body number**
 -  **Expiry date**
 -  **Sterile unless package is opened or damaged**
- 5 **2D Bar coding**
Contains the GTIN code.
- 6 **Patient sticker for documentation purposes**
(To be used by health care provider on patient file)
- 7  **Prescription device**
CAUTION: FEDERAL LAW RESTRICTS THE DEVICE TO SALE BY OR ON THE ORDER OF A LICENCED HEALTH CARE PROVIDER.



Platform Interface



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