SOUTHERN IMPLANTS

EXPANDING PROVEN CONCEPTS

INSTRUMENT CATALOGUE

CAT-2006-05

Dear Customers and Colleagues

Today, Dental Implants have become an indispensable part of Dental treatment options. With the globalization of medical infrastructures and higher standards of living, implant applications have rapidly become common.

Southern Implants has been a manufacturer and distributor of Dental Implants since 1987. Today, the Southern group is recognized as a leading bio-medical engineering entity, with major intellectual property and capabilities in implantable devices, arthroplasties, tissue regeneration, stem cells and cryoscience. The top-end professional users, who want more choices, have driven the product range expansion to enormous and exciting heights. Striving for excellence and meeting customer needs has lead to our wide product range characterized by numerous unique and innovative products which include:

- 3 interfaces: External hex, Internal morse taper/octagon, and Tri-nex.
- Many products optimized for primary stability and suited for immediate loading.
- The only angled-top tapered screw-form 12° and 24° Co-Axis implant.
- Implant lengths from 6mm to 20mm and diameters from 2.90mm to 10mm.
- A surface which continues to out-perform that which it is trialed against.
- Color-coded components for easy part recognition.
- 55° Zygomatic implant, optimized for load distribution.
- Compatibility with major brands, giving the patient more options.
- The MAX, wide diameter implant for molar teeth replacement.

Striving for excellence is synonymous with the search to improve. At Southern the development starts with computer simulation and Finite Element Modeling. This is followed by extensive laboratory trials and testing. Finally, clinical research has taken on a new dimension in our overall strategy where our preference is for independent RCTs.

Our sincere thanks to all specialists, dentists and technicians who give continual feedback, suggestions and input. The products here are our interpretation of your needs.

Yours sincerely

Graham Blackbeard
Managing Director
Southern Implants

Why Southern Implants?

Southern Implants was established in 1987 as a manufacturer and distributor of dental implants. At this time the science on a worldwide basis was still in it's infancy. Southern implants has been a pioneer in this field for the last 21 years and has contributed extensively to enhancements with respects to the osseointegration of implant devices, surgical techniques, patient education and options of treatment.

The company is focused on the top-end specialist sector of the implant market. The product range is constantly being expanded to incorporate the newest technologies and trends. Where many of our competitors are rationalizing their product range, Southern is offering more choices.

The implants are made from ASTM-F67-95 Grade 4 pure titanium, with a tensile strength of 550 MPa. The surface is enhanced with abrasion and chemical conditioning. The surface has been proven by way of extensive animal and clinical trials and has been in use for more than 15 years.

Southern Implants is not only the leading implant company in Southern Africa, but is a significant role player in the USA, the UK, Europe and Australasia. Manufacturing plants are situated in Irene, South Africa and Irvine, California. Each Plant produces 60 000 implants per annum.







Design & Layout by Ruan Pienaar

Content

www.southernimplants.com







BLADE DRIVERS

Handheld

I-BD-S

Short

I-BD-M

Medium

I-BD-L

Long

Handpiece Bit

I-HBDS

Short

I-HBDM

Medium

I-HBDL

Long

Wrench Bit

I-WI-BS

Short

I-WI-BM

Medium

I-WI-BL

Long

Handheld Long Handle

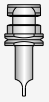
I-BD-LH

Use with: All slotted screws, excluding M1.4 Screw of Swedish origin (see Wrench Blades to the right).

Warning: Ensure that the blade is correctly fitted in the slot. If the tool is put into the slot at an angle, excessive force is put on small areas of the tool as only a small area of the tool is actually driving the screw, and hence breakage is more likely.

Wrench Blade

I-WI-BSN



I-WI-BLN

Suitable for tightening small M1.4 prosthetic screw of Swedish origin

HEX 0.9mm

Handheld

I-CS-HD

I-CS-HDL

I-KEY-09

Handpiece Bit

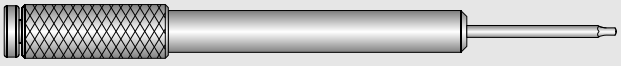
I-HHD-09

Wrench Bit

I-WI-09

Handheld Long Handle

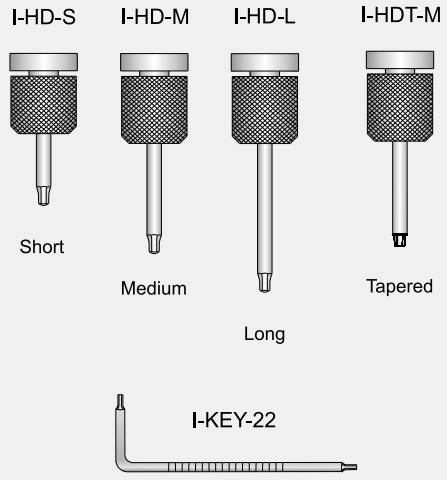
I-CS-LH



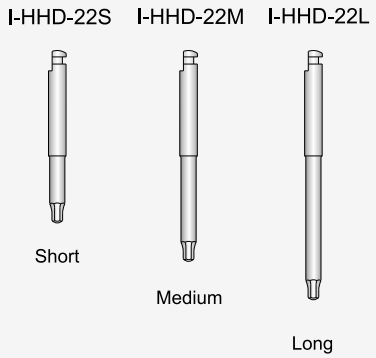
Use with: Coverscrews for the Externally Hexed range.

HEX 1.22mm

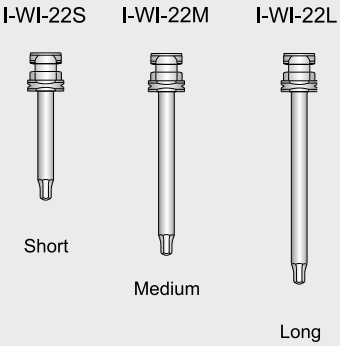
Handheld



Handpiece Bit



Wrench Bit

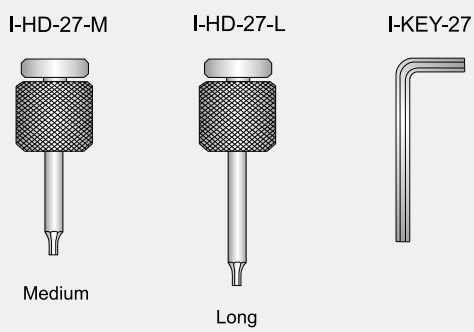


Handheld Long Handle

Use with: Externally Hexed Range: One-part Healing Abutments, Two-part Healing Abutments, Impression Copings, Ball Abutments, Hex Screws and Fixture Mounts.

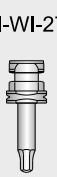
HEX 1.27mm

Handheld



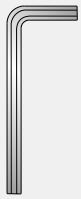
Handpiece Bit

Wrench Bit



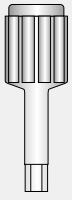
Use with: American Hexed Screws. Dentsply, Steri-Oss, Calcitek.

HEX 1.58mm

Handheld	Handpiece Bit	Wrench Bit
I-KEY-58 	I-HHD-58 	I-WI-58 

Use with: LIC Implants. ILBB, ILSS, ILS and ILT.

DBN HEX 2.5mm

Handheld	Handpiece Bit	Wrench Bit
I-DBN 	I-HDBN-S  Short I-HDBN 	I-WI-DBN-S  Short I-WI-DBN 

Use with: Sprint Implant Range

TORX No6

Handheld	Handpiece Bit	Wrench Bit
I-SCS-S  Short I-SCS-M  Medium I-SCS-L  Long	I-HSCS-S  Short I-HSCS-M  Medium I-HSCS-L  Long	I-WI-SCS-S  I-WI-SCS-M  I-WI-SCS-L 

Use with: IT Range Implants

Warning: The short SCS instruments can not be used with the octagon abutments due to the short shank.

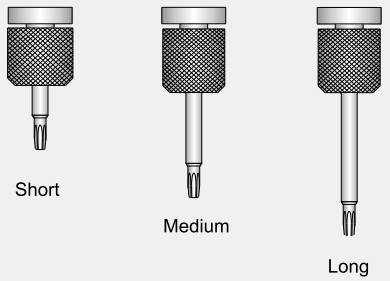
UNI GRIP

Handheld

I-UGI-S — Short

I-UGI-M — Medium

I-UGI-L — Long

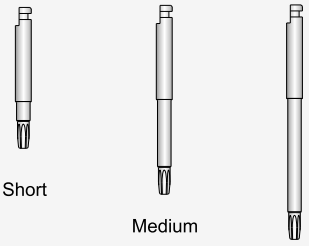


Handpiece Bit

I-HUG-S — Short

I-HUG-M — Medium

I-HUG-L — Long

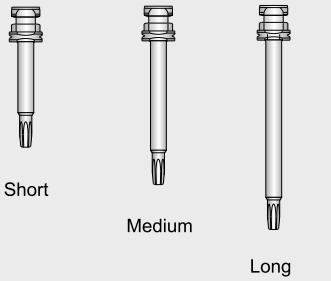


Wrench Bit

I-WI-UG-S — Short

I-WI-UG-M — Medium

I-WI-UG-L — Long



Handheld Long Handle

I-UD-LH

Use with: These instruments are used with Tri-nex Coverscrews, Healing Abutments, Overdenture Ball Abutments and Unigrip prosthetic screws

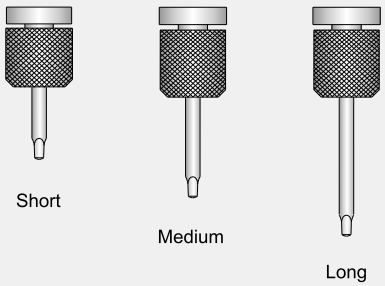
SQUARE / QUAD

Handheld

I-QDI-S — Short

I-QDI-M — Medium

I-QDI-L — Long

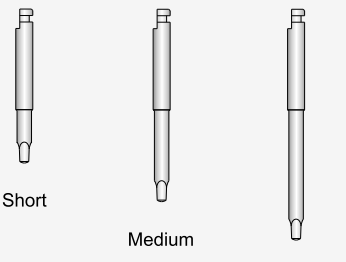


Handpiece Bit

I-HQD-S — Short

I-HQD-M — Medium

I-HQD-L — Long

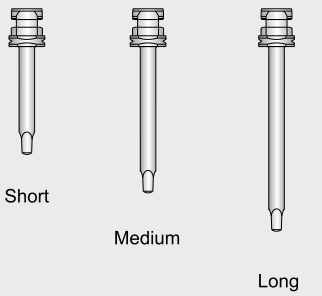


Wrench Bit

I-WI-QS — Short

I-WI-QM — Medium

I-WI-QL — Long

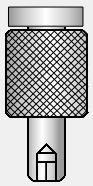
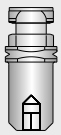


Handheld Long Handle

I-QD-LH

Use with: Quad / Square type screws.

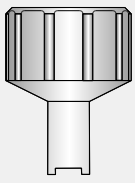
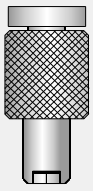
Abutments

Handheld	Handpiece Bit	Wrench Bit
I-AD 	I-HAD 	I-WI-A 

Handheld Long Handle
I-AD-LH 

Use with: Standard Abutments, Conical Abutments and Compact Conical Abutments.

OAB

Handheld	Handpiece Bit	Wrench Bit
I-OAB  Slot I-OAB-H  Hex		I-WI-OAB  Slot I-WI-C-S  Hex

Use with: OAB Abutments and Overdenture Abutments

IT Placement Tools

Peek Bit *(Spare)*	Handpiece Bit	Wrench Bit
I-PBIT-2  Use with IT Placement Tools	I-HITS-S  Short I-HITS 	I-WI-ITS-S  Short I-WI-ITS 

Use with: IT Range Implants

Internal Drive - Ext. Hex

Peek Bit *(Spare)*

I-PBIT-H

Use with Internal Drive Tools

Handpiece Bit

I-HID-S

Short

I-HID-M

Medium

I-HID-L

Long

Wrench Bit

I-WIID-S

Short

I-WIID-L

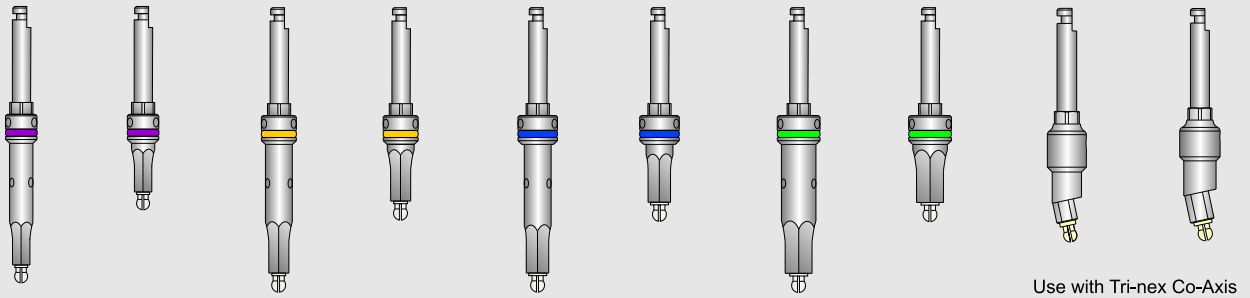
Long

Use with: Internal Drive Implants.

Tri-nex Placement Tools

Handpiece Bit

I-HLH-35M I-HLH-35S I-HLH-43M I-HLH-43S I-HLH-50M I-HLH-50S I-HLH-60M I-HLH-60S I-L43-12d I-L50-12d



Use with Tri-nex Co-Axis

Peek Bits *(Spares)*

I-PBIT-L18

Use with Ø3.5 Placement Tools

I-PBIT-L2

Use with Ø4.3, Ø5.0 & Ø6.0 Placement Tools

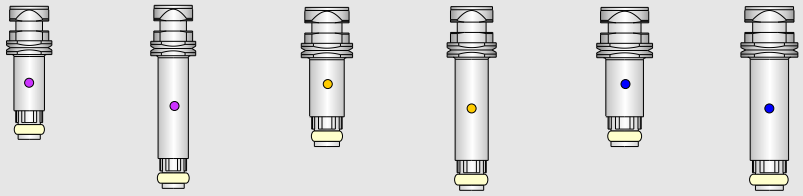
Converters

I-WI-C-S

Used to convert the Handpiece Bits to be used with a wrench.

Wrench Bit

I-WIL-35S I-WIL-35M I-WIL-43S I-WIL-43M I-WIL-50S I-WIL-50M



Use with: Tri-nex Implant Range.

Osteotomes

Hammer

I-HAMMER

Osteotomes

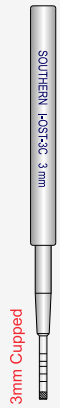
I-OST-2P

I-OST-2C

I-OST-SU1

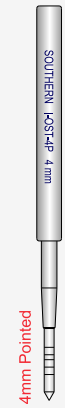
I-OST-3P

I-OST-3C



I-OST-SU2

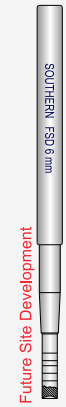
I-OST-4P



I-OST-4C

I-OST-5P

I-FSD



Use with: Maxillary implant site preparation and ridge expansion.

Lab Instruments

Lapping Tool

I-LT6

Reamers

LT18-2.4

Ø2.4

Use with 3 series screws

LT18-2.6

Ø2.6

Use with Tri-Nex screws

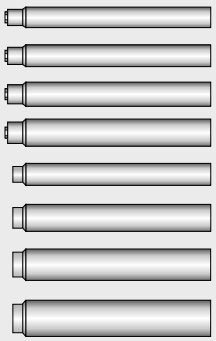
LT18-2.8

Ø2.8

Use with 2 series screws & Tri-Nex Passive Screws

Polishing Caps

Also available in Short (S)



PPC-IBN-1/S — Use with IBN Implants

PPC-IB-1/S — Use with IB Implants

PPC-BA-1/S — Use with BA Implants

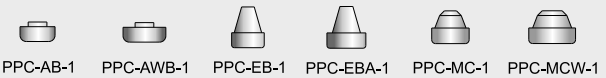
PPC-BBB-1/S — Use with BBB Implants

PPC-35/S — Use with Ø3.5 Tri-nex Implants

PPC-43/S — Use with Ø4.3 Tri-nex Implants

PPC-50/S — Use with Ø5.0 Tri-nex Implants

PPC-60/S — Use with Ø6.0 Tri-nex Implants



PPC-AB-1 — Use with AB type Abutments

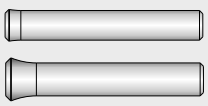
PPC-AWB-1 — Use with AWB type Abutments

PPC-EB-1 — Use with EB type Abutments

PPC-EBA-1 — Use with EBA type Abutments

PPC-MC-1 — Use with AMC type Abutments

PPC-MCW-1 — Use with AMCW type Abutments



PPC-ITS-S — Use with Ø6.0 Tri-nex Implants

PPC-ITS6-S — Use with Ø6.0 Tri-nex Implants

Additional

Hand piece to Wrench Insert Converter

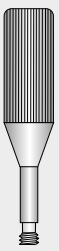
I-WI-C-S

Driver for ITS Solid Abutment

I-WI-SA

Hand Tool for Angled Abutment

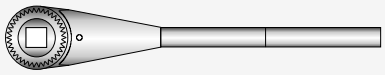
I-1.4H



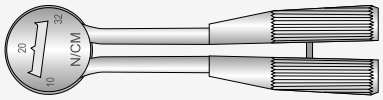
Wrenches

Wrenches

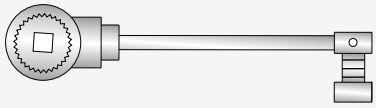
I-RATCHET-2



I-TW



I-TW-45

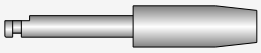


Use with: Wrench bits.

Additional Surgical Instruments

Drill Extensions

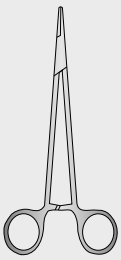
I-DE



I-DE-MN

Additional Surgical Instruments

I-CLAMP

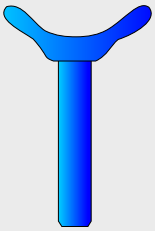


Abutment Clamp
Used for handling Abutments.
Stainless Steel.

I-NEEDLE

Needle for cleaning taps.
Titanium.

I-NIC



Retractor.
Anodized Aluminium.

I-IMP-INS-1

Implant Inserter
Can be used for manual insertion of implants.

I-CON-X

Connector to Handpiece
Stainless Steel.

I-SP-X

Flat Spanner
To hold Fixture Mount.

I-CT-1

Counter Torque Tool.

I-FM-H

Fixture Mount Holder

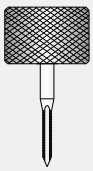
I-FME-XS/L

Fixture Mount Extention

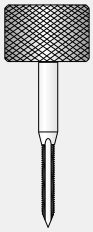
I-FORCEPS

Thread Cutters

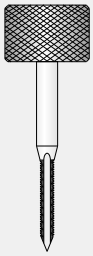
I-M1.4



I-M1.8

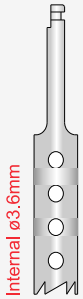


I-M2

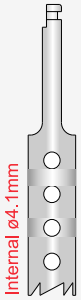


Trephine Drills

D-TRE-3



D-TRE4



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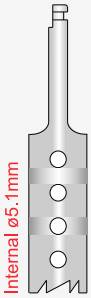

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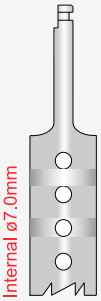
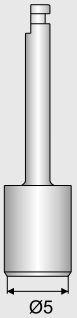


Tissue Cutters

I-TC1

I-TC5

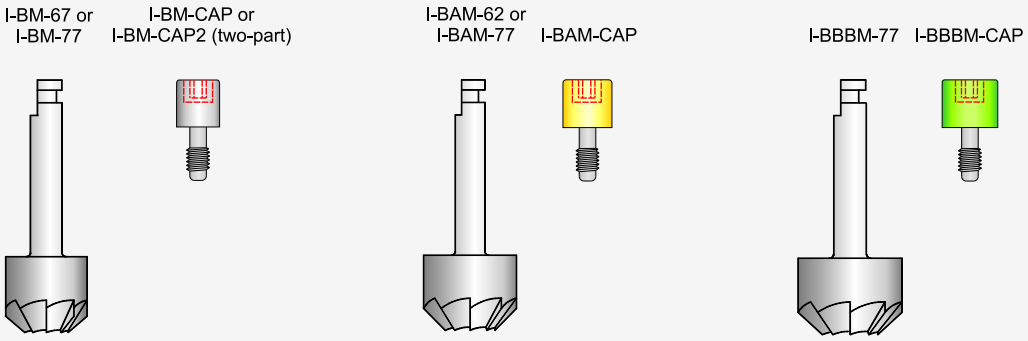


I-TC6

Please note that these instrument are not to scale or to the correct size relation to each other. Only for illustration purposes.

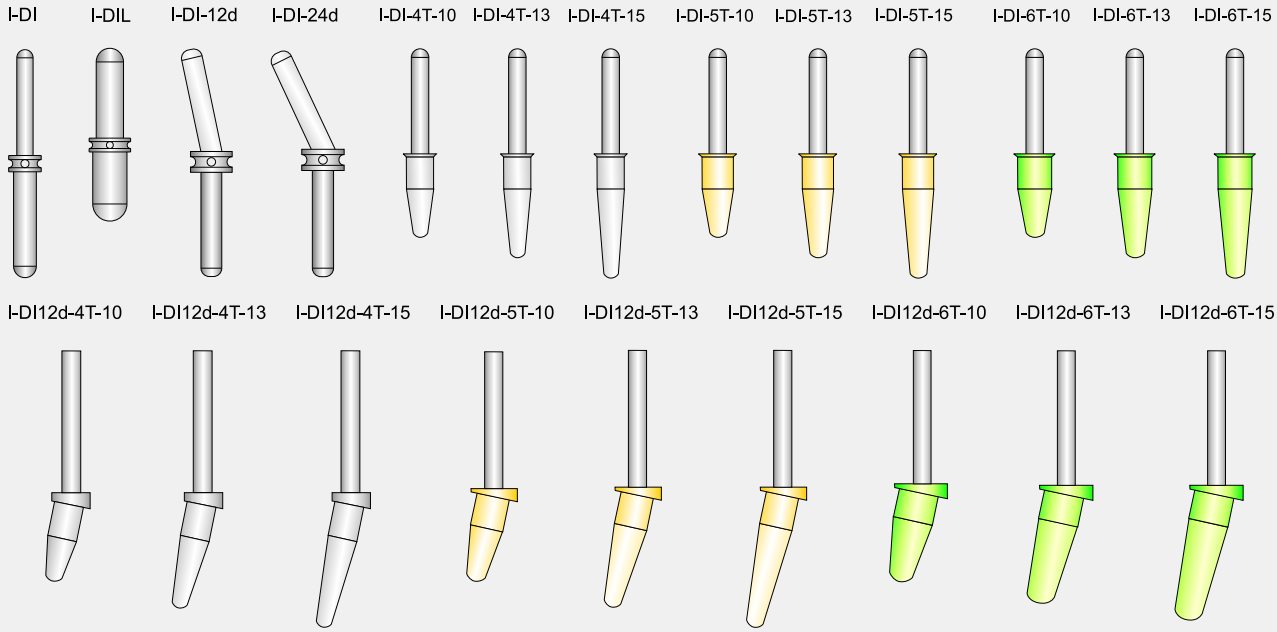
Bone Mills

Bone Mills and Protector Caps



Direction Indicators

Direction Indicators



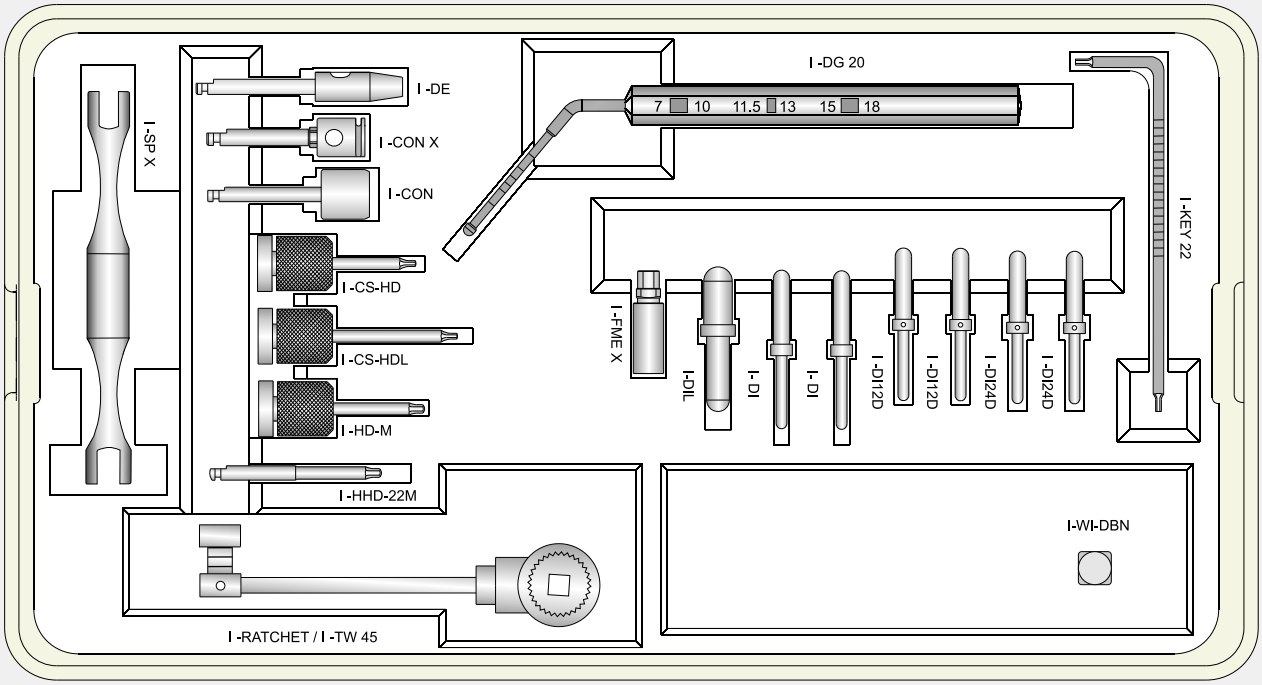
Screw Removers

Screw Removers

Information available on request

Externally Hexed Tray

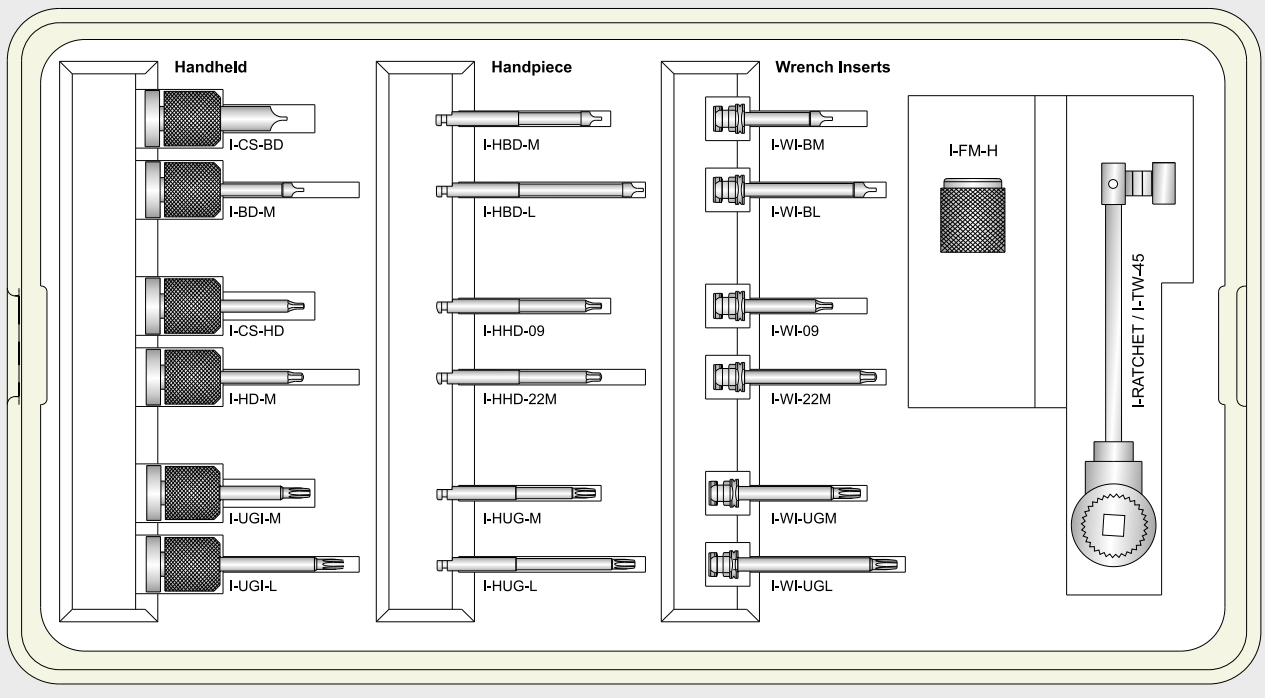
I-HEX-1



Trays and instruments are sold separately.

General Prosthetic Tray

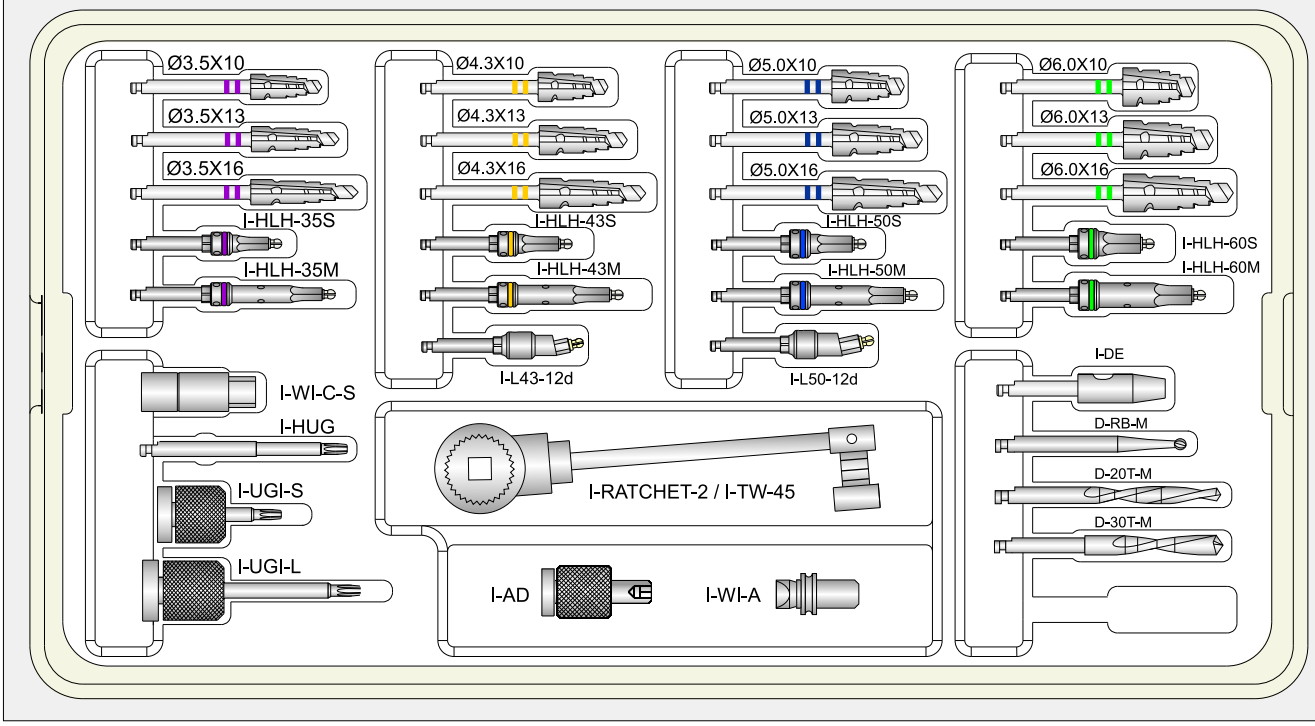
I-PROS-B



These trays fit into the I-CASSETTE-2 and are autoclavable. Please see sterilizing and cleaning instructions on page 16.

Tri-nex Instrument Tray

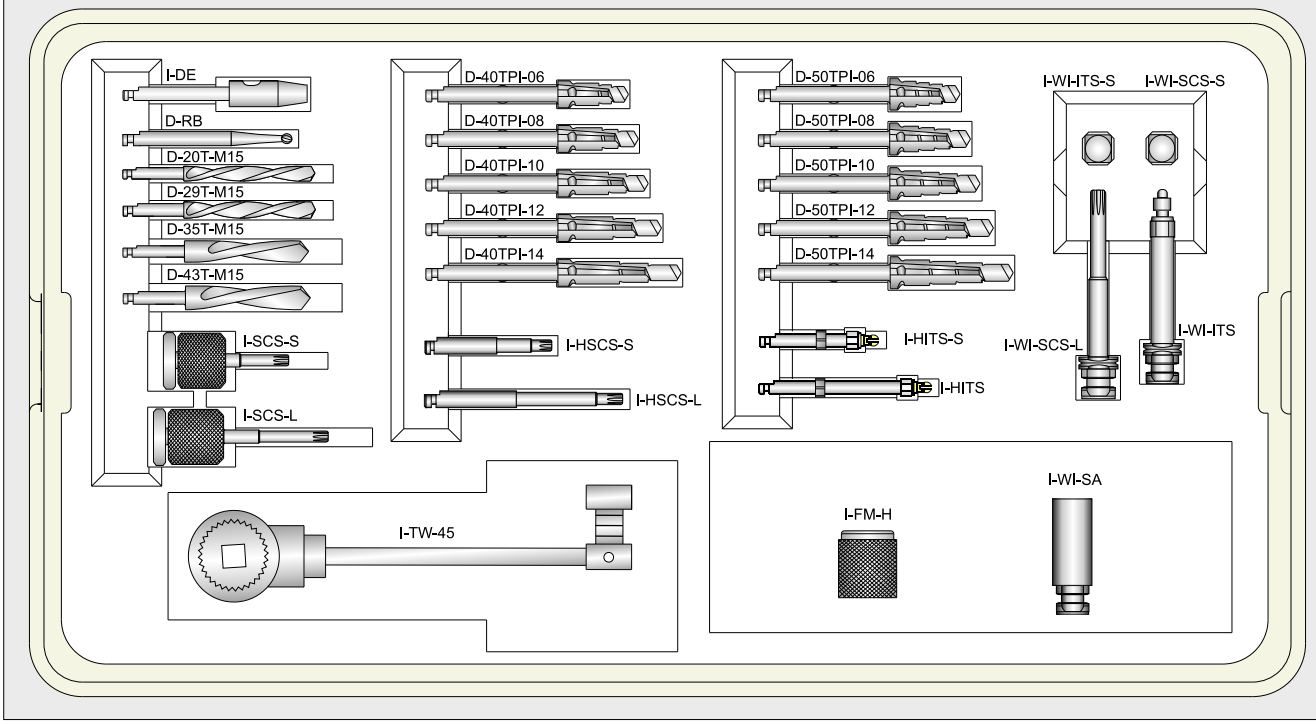
I-TRI-NEX



Trays and instruments are sold separately.

IT Instrument Tray

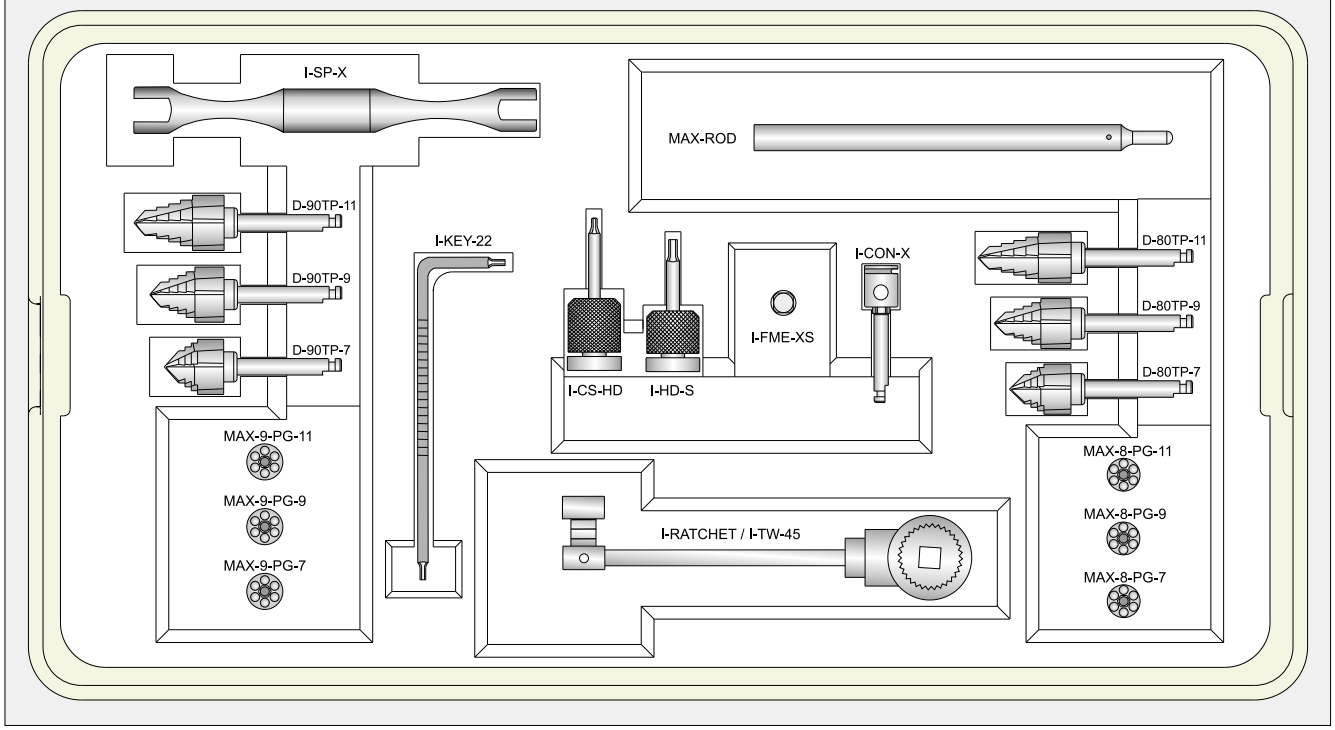
I-IT



These trays fit into the I-CASSETTE-2 and are autoclavable. Please see sterilizing and cleaning instructions on page 16.

MAX Instrument Tray

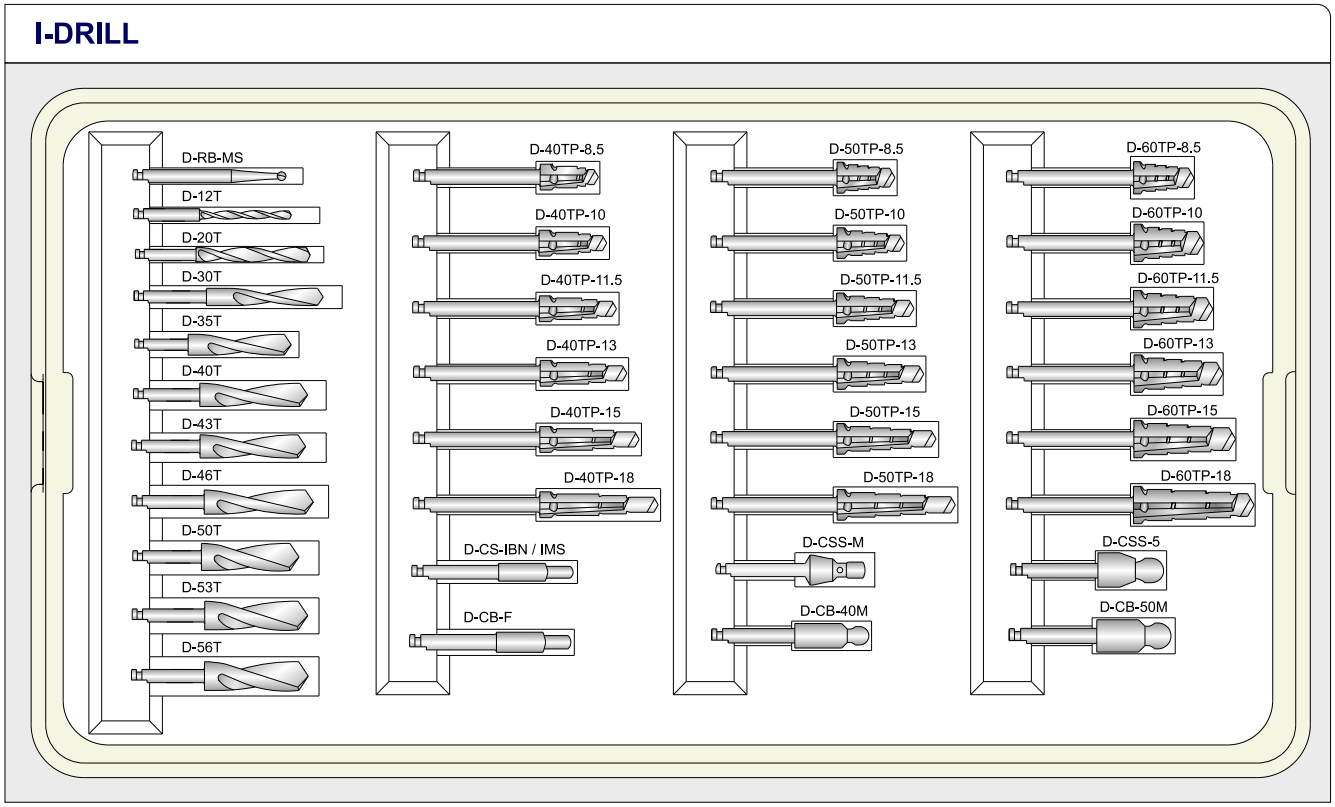
I-MAX



Trays and instruments are sold separately.

Surgical Drill Tray

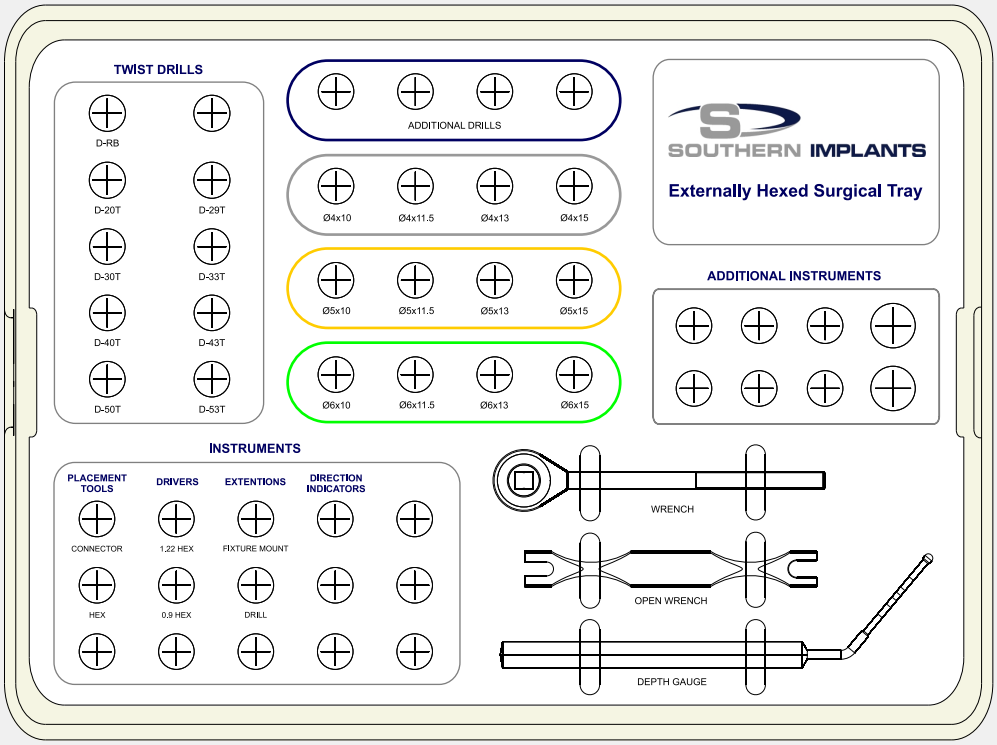
I-DRILL



These trays fit into the I-CASSETTE-2 and are autoclavable. Please see sterilizing and cleaning instructions on page 16.

Upright Externally Hex Tray

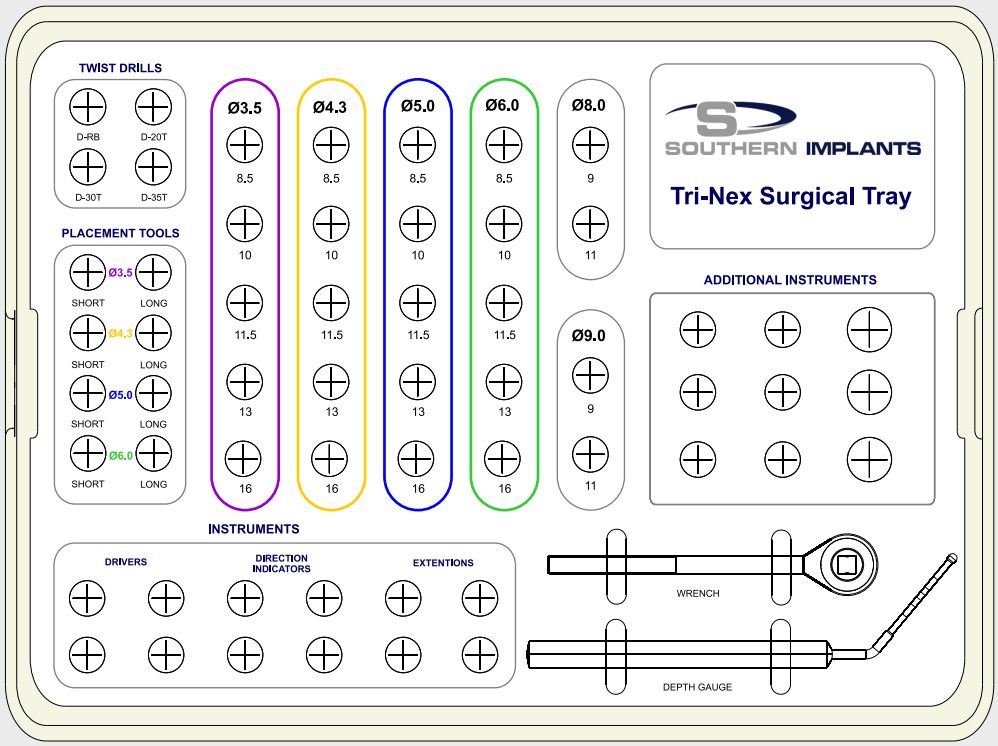
I-HEX-U



Trays and instruments are sold separately.

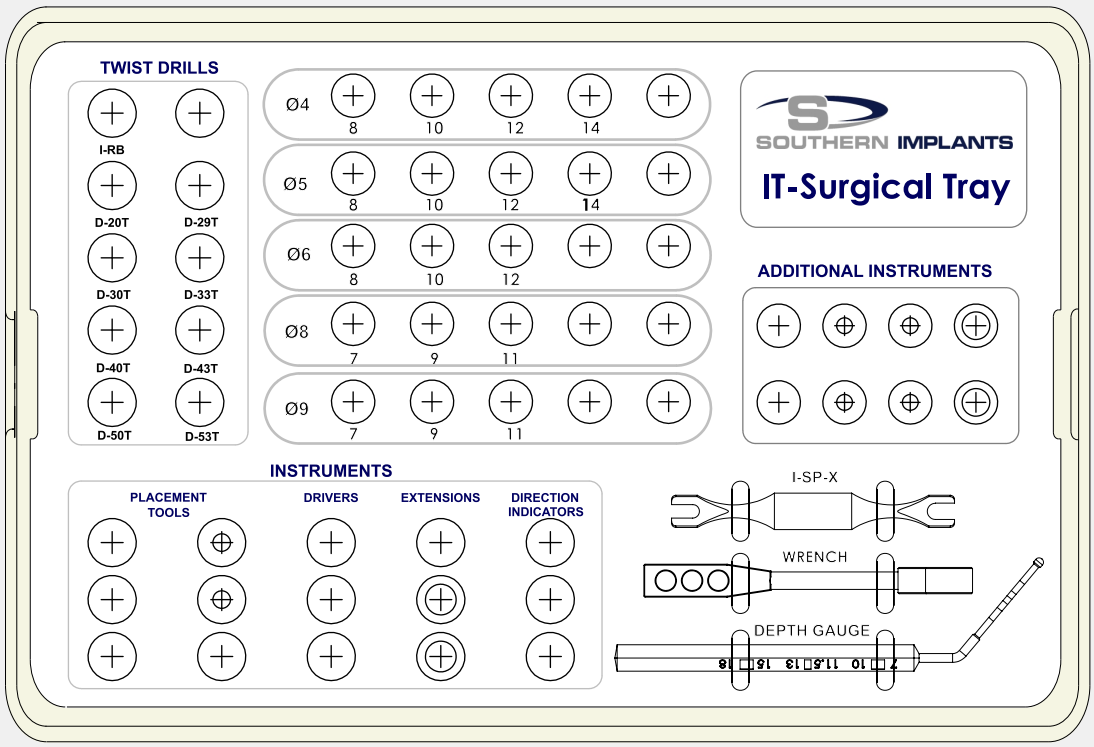
Upright Tri-Nex Tray

I-TRI-NEX-U



Upright IT Surgical Tray

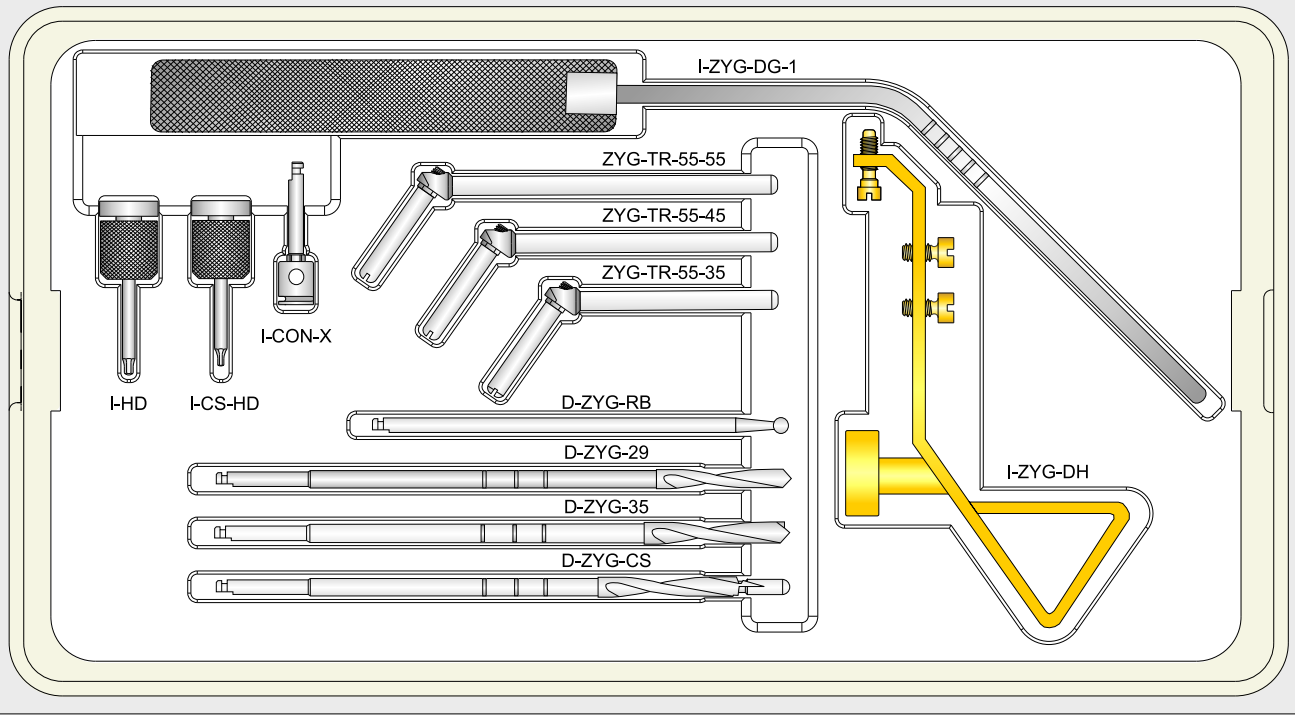
I-IT-U



Trays and instruments are sold separately.

Zygomatic Instrument Tray

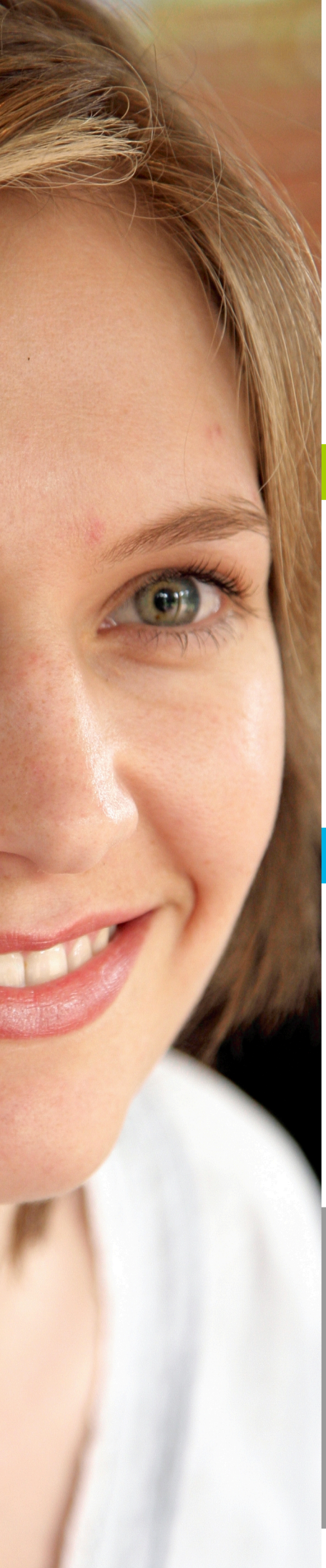
I-ZYG



This tray fit into the I-CASSETTE-2 and is autoclavable. Please see sterilizing and cleaning instructions on page 16.

Cleaning & Sterilization Procedure Guidelines

Components	Surgical Drills	Surgical and Prosthetic Tools	Surgical and Prosthetic Trays	Torque Wrenches / Ratchet
Warnings	Never use blunt or damaged tools.	Never use blunt or damaged tools.	Do not expose to temperatures higher than 140°C.	Do not expose to temperatures higher than 160°C.
	Never store instruments while they are still wet or moist. This will result in corrosion and degradation of cutting edges. Inspect all instruments visually.			
Limitations on Reprocessing	Taper Drills and Pilot Drills - 40 times. Trephine Drills - 10 times.	Drivers and General Instruments - Repeated processing has minimal effect. Bone Mills - 15 times. Taps, Tissue Punch, Osteotomes, counter bores, Thread cutters - 40 times.	Repeated processing has minimal effect on these trays.	500 times or 3 years, whichever is reached first (service can extend life, but not indefinately).
	Instructions			
Point of use:	Remove excess soil with running water.	Remove excess soil with running water.	Remove excess soil with disposable cloth / paper wipe.	Remove excess soil with running water.
Containment and Transportation	No Particular Requirements: It is recommended that instruments are cleaned and dried as soon as is reasonably practical following use.			
Preparation for cleaning	Disassembly from Handpiece.	Disassembly from Handpiece.	No Particular Requirement.	Remove any connecting parts.
Cleaning: Automated	Rinse with luke-warm water for 3 minutes. Remove hardened soil with a sift bristle brush. Sonicate for 20 minutes in an ultrasonic cleaner using a detergent suitable for surgical instruments (SteriTech Instrument Cleaner - 5% dilution). Rinse in running water and dry.	Rinse with luke-warm water for 3 minutes. Remove hardened soil with a sift bristle brush. Sonicate for 20 minutes in an ultrasonic cleaner using a detergent suitable for surgical instruments (SteriTech Instrument Cleaner - 5% dilution). Rinse in running water and dry.	Rinse in luke-warm water and remove soil with a soft bristle brush and enzymatic detergent. Rinse off with luke-warm water and dry.	Rinse with luke-warm water for 3 minutes. Remove hardened soil with a sift bristle brush. Sonicate for 20 minutes in an ultrasonic cleaner using a detergent suitable for surgical instruments (SteriTech Instrument Cleaner - 5% dilution). Rinse in running water and dry.
Cleaning: Manual	Manual cleaning is not practical and is therefore discounted.			
Disinfection	If detergent is not a high level disinfectant: Sonicate / rinse with 70 % ethanol for 5 minutes.	If detergent is not a high level disinfectant: Sonicate / rinse with 70 % ethanol for 5 minutes.	Trays can be wiped / sprayed down with 70 % ethanol.	If detergent is not a high level disinfectant: Sonicate / rinse with 70 % ethanol for 5 minutes.
Drying	Allow components to dry completely before sterilizing.			
Maintenance	Damaged or blunt instruments should not be used.			Add one drop of handpiece oil to the internal mechanism after autoclaving.
Inspection and further Testing	Inspect all instruments visually for damage and bluntness.			Check whether the ratchet mechanism is working smoothly.
Packaging	Singly: A standard packaging material may be used. Ensure that the pack is large enough to contain the instrument without stressing the seal. (Recommendation: Use a packaging system that conforms to ISO 11607).			
	In sets: Instruments can be loaded into dedicated instrument trays before sterilization. Place the tray in an appropriate sterilization bag.			
Sterilization	Autoclave at 121 ° C (250 ° F) for a minimum of 30 minutes.			
Storage	Never store instruments while they are still wet or moist. This will result in corrosion and degradation of cutting edges.			
Additional Information	When sterilizing multiple instruments in one autoclave cycle, ensure the the sterilizer's maximum load is not exceeded. Refer to sterilizer's instructions for use. Ascertain the size of the instrument trays prior to sterilization.			




CERTIFICATE
for Quality Management

DEKRA Certification

DEKRA Certification GmbH hereby certifies that for

Southern Implants (Pty) Ltd.
1 Albert Road, P.O. Box 605 • 0062 Irene, South Africa

Scope:
Design, manufacturing and distribution of
Dental Implants and Artificial Temporomandibular Joints

Certified location:
1 Albert Road, P.O. Box 605 • 0062 Irene, South Africa

EN ISO 9001 / 12.2000

by the decision dated 30.04.2008 and the report no. 50274-Z3-00,
proof of the introduction and application of a quality management system in
compliance with the above mentioned standards has been attained.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EN ISO 13485:2003 + AC:2007

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CERTIFICATE
for the
Quality Assurance System

DEKRA Certification

Southern Implants (Pty) Ltd.
1 Albert Road, P.O. Box 605 • 0062 Irene, South Africa

Annex II, Section 3 of the Directive 93/42/EEC

CE 0124

Complimentary Manuals & Instructions:

Externally Hexed Product Catalogue	CAT-2020
Tri-Nex Product Catalogue	CAT-2004
IT Product Catalogue	CAT-2005
Patient Information Brochure	CAT-2022
Patient Homecare Brochure	CAT-2023
Overdenture Information Brochure	CAT-2032
Zygomatic Information Brochure	CAT-2025
Prosthetic & Laboratory Manual	CAT-2001
Cranio Facial Reconstruction	CAT-2036
TMJ Prosthesis Catalogue	CAT-2018
Passive Abutments	CAT-1008
One Piece Implants	CAT-1083
Finger Implants Catalogue	CAT-2010
First & Secondary Stage Surgery Manual	CAT-2024
Instructions for use	PRO-6038

Labeling Symbols:

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

1: **“Use by”**

2: **“Batch code”** LOT

3: **“Do not reuse”**

4: **“Sterilization using Irradiation”** STERILE R

5: **“Caution”**

6: **“Consult instruction for use”**

7: **CE mark** CE


Southern Implants (Pty) Ltd. Irene, South Africa

SOUTHERN IMPLANTS

EXPANDING PROVEN CONCEPTS

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