PRODUCT BROCHURE
SOUTHERNIMPLANTS

Dental implants are now an indispensable part of dental treatment options. With the globalization of medical infrastructures and higher standards of living, implant applications continue to increase.

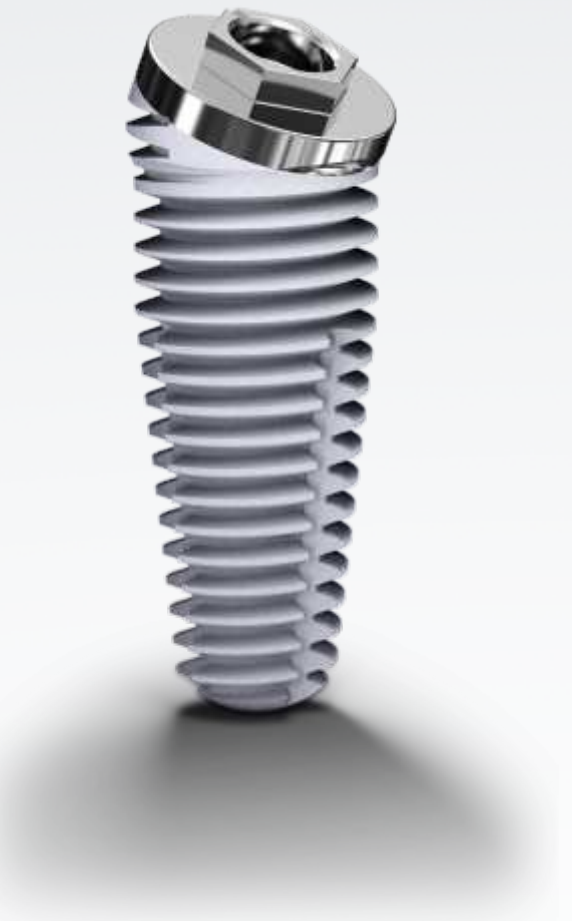
Southern Implants has been a manufacturer and distributor of dental implants since 1987. Today, the Southern group is a leading biomedical engineering entity, with major intellectual property and capabilities in implantable devices, arthroplasties and tissue regeneration. Top-end professional users, who want more choices, have driven our product range to enormous and exciting heights. Striving for excellence and meeting customer needs has led to our wide product range characterized by numerous unique and innovative products, which include:

- Multiple interfaces, both internal and external, to suit customer preference.
- The MAX, a wide-diameter implant specifically designed for molar tooth replacement.
- Co-Axis™, the only angled-top, tapered, screw-form implant, available in angulations of 12°, 24°and 36°.
- The 55° Zygomatic implant, optimized for prosthetic versatility.
- Many products engineered for primary stability and suitable for immediate loading.
- A surface which continues to out perform those which it is trialled against.

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

Graham Blackbeard
Managing Director, Southern Implants

Southern Implants Co-Axis™ range

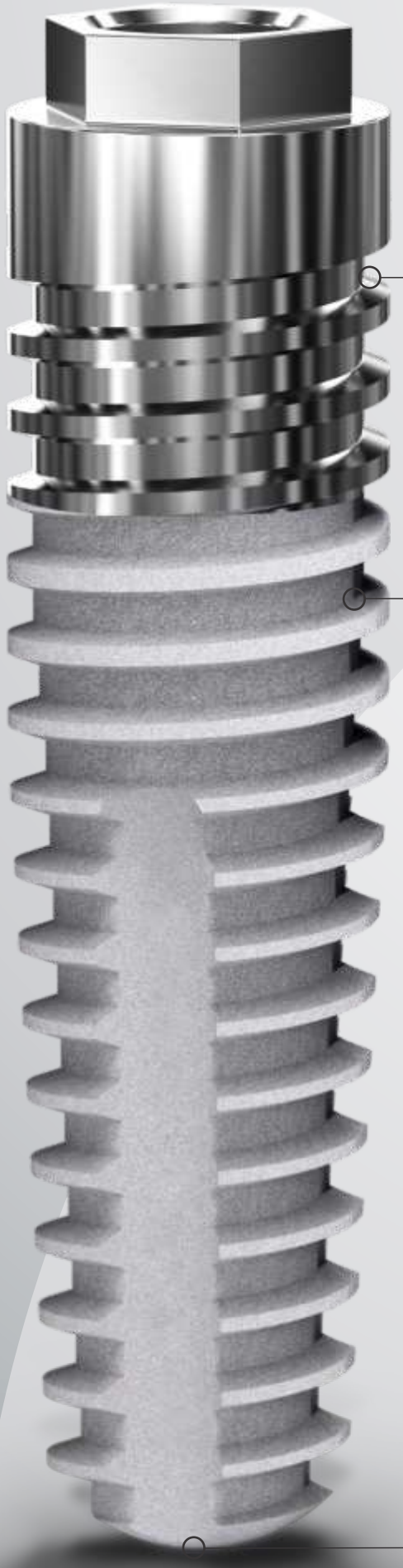


- The Co-Axis implant is indicated for use in situations where the long axis of a conventional implant would not coincide with the long axis of the restoration and would therefore result in a restorative compromise.
- The Co-Axis solution greatly simplifies the restorative treatment of an inclined implant by eliminating the need for angle correcting abutments or custom abutments. This reduces the number and cost of components required, the complexity of laboratory work, as well as the number of patient visits required.
- Screw retained restorations can be used instead of cemented restorations, making immediate loading protocols routinely available .
- Aesthetic advantages result from having no need for labially placed screw access holes.
- Avoidance of anatomical structures by inclined implant placement, without incurring prosthetic complications, is made possible by exploiting the Co-Axis concept.
- The Co-Axis implant allows for maximal utilisation of available bone.
- The Co-Axis implant provides an anatomically correct implant ideal for use in the anterior Maxilla.
- The Co-Axis implant results in considerably more mid-facial soft tissue.

Southern Implants MAX range

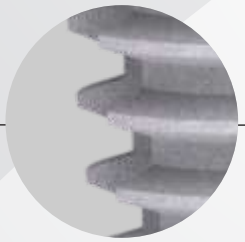
- The MAX implant is indicated for immediate placement into a molar extraction socket.
- The MAX implant features a body with a larger than conventional diameter, achieving primary stability from engagement of the buttresses of bone that protrude from the perimeter bony wall of the molar socket.
- The greater taper of the MAX implant body allows for maximum engagement of the inter-radicular bone within the molar socket.
- In the case of a molar tooth with tapering root form, the implant has a natural fit to the socket shape. The tapered geometry of the implant facilitates excellent primary stability.
- The MAX implant won an AO presentation award for innovation in 2008, the SABS Design Excellence Award in 2010, and was the first FDA approved dental implant for the immediate placement into a molar socket.
- A Ø6mm MAX is available in the MSc range.

MACHINED SURFACE CORONAL (MSc)



Machined coronal area

The implants have a specific roughness machined coronal surface area. This "smoother" coronal surface is engineered to reduce bacterial adhesion and thus decreases the risk of infection which could lead to marginal bone loss.



Excellent primary stabilty

The implants feature a tapered body with single start 40° thread, which provides excellent primary stability, especially in soft bone.

Contoured apex

The apex of the implant is specially contoured to minimize the risk of trauma to adjacent anatomies.

Product range extension

There are four new External Hex introductions:

* The Ø3.0mm tapered implant, known as the Piccolo.
* The Ø3.25mm 12° Co-Axis implant.
* The Ø4.0mm 24° Co-Axis implant.
* The MAX Ø6.0mm implant.

Co-Axis™

The unique angulated platform design of the Co-Axis is available in the MSc range. The Ø3.25mm and Ø4mm feature a built in platform angulation of 12°, and a recent addition is the Ø4mm implant with an angulation of 24°. This innovative design enables tilting of the implant without compromising the prosthetic emergence angle in the anterior maxilla. This results in a greater volume of facial soft tissue and facilitates screw-retained prosthetics.

The Co-Axis implants are supplied with a fixture mount and require no special componentry for implantation. The Ø5mm range also features a 36° angulation in addition to the 12° and 24°.

Innovative **Solutions** for Challenging Cases

The External Hex is the most used and most versatile connection system worldwide. It is also the most documented, over a full spectrum of restorative applications.
It is a "more forgiving" connection system in the case of poor alignment, and has an extremely wide range of prosthetic options, making it the choice of many "top-end" users.

External Hex Connection Implants

Cylindrical Diameters Available

	IBN Ø3.25mm	IBS Ø3.75mm	BA Ø5.00mm	BBBS Ø6.00mm
Lengths Available	8.5 - 10 - 11.5 13 - 15	7 - 8.5 - 10 11.5 - 13 - 15	6 - 7 - 8.5 - 10 11.5 - 13 - 15	7 - 8.5 - 10 11.5 - 13 - 15

Tapered Diameters Available

	IBNT Ø3.25mm	IBT Ø4.00mm	BAT Ø5.00mm	BBBT Ø6.00mm
Lengths Available	8.5 - 10 - 11.5 13 - 15	6 - 8.5 - 10 11.5 - 13 - 15	6 - 8.5 - 10 11.5 - 13 - 15	6 - 8.5 - 10 11.5 - 13 - 15

MSc Tapered Diameters Available

	IP Ø3.00mm	IBNT Ø3.25mm	IBT Ø4.00mm	BAT Ø5.00mm
Lengths Available	8.5 - 10 - 11.5 13 - 15	8.5 - 10 - 11.5 13 - 15	6 - 8.5 - 10 11.5 - 13 - 15	6 - 8.5 - 10 11.5 - 13 - 15

External Hex Connection, Co-Axis™ Implants

* *Prosthetic platform angled at 12°, 24° or 36°*

Tapered Diameters Available

	IBT **12°** Ø4.00mm	BAT **12°** Ø5.00mm	BBBT **12°** Ø6.00mm
Lengths Available	8.5 - 10 - 11.5 13 - 15 - 18	10 - 11.5 13 - 15 - 18	10 - 11.5 13 - 15 - 18

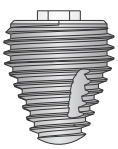
Tapered Diameters Available

	BAT **24°** Ø5.00mm	BBBT **24°** Ø6.00mm	BAT **36°** Ø5.00mm
Lengths Available	10 - 11.5 - 13 - 15	10 - 11.5 - 13 - 15	10 - 11.5 13 - 15 - 18

MSc Tapered Diameters Available

	IBNT-**12d** Ø3.25mm	IBT-**12d** Ø4.00mm	IBT-**24d** Ø4.00mm	BAT-**12d** Ø5.00mm	BAT-**24/36d** Ø5.00mm
Lengths Available	8.5 - 10 - 11.5 13 - 15	8.5 - 10 - 11.5 13 - 15	8.5 - 10 - 11.5 13 - 15	10 - 11.5 13 - 15	10 - 11.5 13 - 15

External Hex Connection, MAX Implants



Diameters Available

	MAX 7 Ø7.00mm	MAX 8 Ø8.00mm	MAX 9 Ø9.00mm
Lengths Available	7 - 9 - 11	7 - 9 - 11	7 - 9 - 11

MSc Diameters Available

	MAX 6 Ø6.00mm	MAX 7 Ø7.00mm	MAX 8 Ø8.00mm	MAX 9 Ø9.00mm
Lengths Available	6 - 7 - 9 - 11	7 - 9 - 11	7 - 9 - 11	7 - 9 - 11

Tri-Nex features:

* Internal tri-lobe prosthetic connection.
* Implants feature an internal hexagon below the tri-lobe connection, for higher insertion torque and minimizing the risk of implant interface deformation.
* Increased coronal collar thickness, increasing strength and facilitating platform switch.

Tri-Nex Connection Implants

Tapered Diameters Available

	IA-LH-35 Ø3.5mm	IA-LH-43 Ø4.3mm	IA-LH-50 Ø5.00mm	IA-LH-60 Ø6.00mm
Lengths Available	8 - 10 11.5 - 13 - 16	8 - 10 11.5 - 13 - 16	8 - 10 11.5 - 13 - 16	8 - 10 11.5 - 13 - 16

Cylindrical Diameters Available

	IA-LHS-35 Ø3.5mm	IA-LHS-43 Ø4.30mm	IA-LHS-50 Ø5.00mm	IA-LHS-60 Ø6.00mm
Lengths Available	8 - 10 - 11.5 13 - 16	8 - 10 11.5 - 13 - 16	8 - 10 11.5 - 13 - 16	8 - 10 11.5 - 13 - 16

Tri-Nex Connection, Co-Axis™ Implants

* *Prosthetic platform angled at 12°*

Tapered Diameters Available

	IA43-**12**d Ø4.3mm	IA50-**12**d Ø5.00mm
Lengths Available	10 - 11.5 - 13 - 16	10 - 11.5 - 13 - 16

Tri-Nex Connection, Tri-MAX Implants

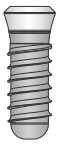
Diameters Available

	Tri-MAX 7 Ø7.00mm	Tri-MAX 8 Ø8.00mm	Tri-MAX 9 Ø9.00mm
Lengths Available	7 - 9 - 11	7 - 9 - 11	7 - 9 - 11

Internal Octagon features:

* **Excellent prosthetic stability.**
* **Tapered version for increased primary stability.**
* **Trans-muscosal machined collar.**

IT Connection (Internal Morse Taper with Octagon) Implants



Cylindrical Diameters Available

	ITC/F* Ø3.3mm	ITC/F* Ø4.1mm	ITC/F* Ø4.9mm	ITC/F* Ø4.9mm
Lengths Available	6 - 8 - 10 12 - 14	6 - 8 - 10 12 - 14	6 - 8 - 10 - 12	wide neck 6 - 8 - 10 - 12

Tapered Diameters Available

	ITT/F* Ø4.0mm	ITT/F* Ø5.0mm	ITT/F* Ø5.0mm	ITT/F* Ø6.0mm
Lengths Available	8 - 10 - 12 - 14	8 - 10 - 12 - 14	wide neck 8 - 10 - 12	wide neck 8 - 10 - 12

*F - Packed with fixture mount and cover screw.

IT Connection, Co-Axis™ Implants

Tapered Diameters Available

	ITST **12°** Ø4.00mm	ITST **12°** Ø5.00mm
Lengths Available	8 - 10 - 12 - 14	8 - 10 - 12 - 14

*Only available as pre-mounted.

* *Prosthetic platform angled at 12°*

IT Connection, MAXIT™ Implants

Diameters Available

	MAXIT 7 Ø7.00mm	MAXIT 8 Ø8.00mm	MAXIT 9 Ø9.00mm
Lengths Available	7 - 9 - 11	7 - 9 - 11	7 - 9 - 11

Deep Conical features:

* **Micro-threads that maximize bone-implant contact and optimally distribute load in the coronal region.**
* **Special high strength pure titanium for the narrower diameters.**

Deep Conical Connection Implants

Tapered Diameters Available

	DCT30 Ø3.00mm	DCT35 Ø3.50mm	DCT40 Ø4.00mm	DCT50 Ø5.00mm
Lengths Available	9 - 11 13 - 15	8 - 10 11 - 13 - 16	6.1- 8 - 9 11 - 13 - 16	9 - 11 - 13 - 16

Cylindrical Diameters Available

	DCC30 Ø3.00mm	DCC35 Ø3.50mm	DCC40 Ø4.00mm	DCC50 Ø5.00mm
Lengths Available	9 - 11 13 - 15	8 - 10 11.5 - 13 - 16	6.1- 8 - 9 11 - 13 - 16	9 - 11 - 13 - 16

Deep Conical Connection, Co-Axis™ Implants

* *Prosthetic platform angled at 12°*

Tapered Diameters Available

	DCT35-**12**d Ø3.50mm	DCT40-**12**d Ø4.00mm
Lengths Available	8 - 9 - 11 - 13 - 15	8 - 9 - 11 - 13 - 15

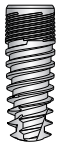
Cylindrical Diameters Available

	DCC35-**12**d Ø3.50mm	DCT40-**12**d Ø4.00mm
Lengths Available	8 - 9 - 11 - 13 - 15	8 - 9 - 11 - 13 - 15

Internal Hex (M-Series) features:

* Universal prosthetic interface throughout the product range.
* Reverse taper on Ø4.2 and Ø5.0 implant neck, to reduce pressure on the cortical bone upon placement and assist in maintaining biologic width.
* Two-start external thread enhances stability.

Internal Hex Connection Implants



Tapered Diameters Available

	IM-T37 Ø3.50mm	IM-T42 Ø4.20mm	IM-T50 Ø5.00mm
Lengths Available	8 - 10 11.5 - 13 - 15	8 - 10 11.5 - 13 - 15	8 - 10 11.5 - 13 - 15

Internal Hex Connection, Co-Axis™ Implants

Tapered Diameters Available

	IM-T42-**12**d Ø4.20mm
Lengths Available	8 - 10 11.5 - 13 - 15

* *Prosthetic platform angled at 12°*

Fixtures for ORO-FACIAL Re-Construction:

* 55° Zygomatic implants, optimized for load distribution.
* Unique 55° Oncology implant.
* Ultra-narrow Ø3mm implants.
* Ultra-short Ø4mm implants.

Zygomatic and Oncology Implants

	Zygomatic Ø3.75mm
Lengths Available	35N - 37.5N - 40N - 42.5N - 45N - 47.5N - 50N - 52.5N - 55N - 60N

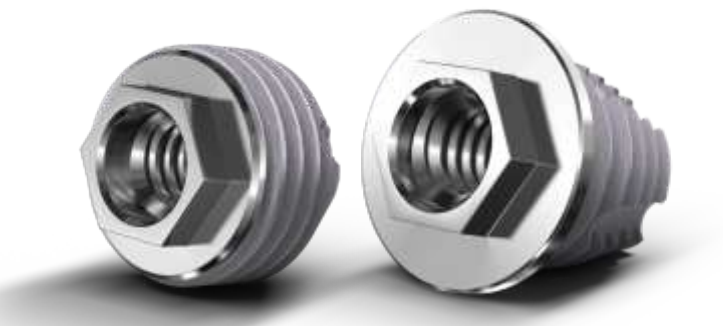
	Oncology Ø4.00mm
Lengths Available	27.5N - 32.5N - 37.5N - 42.5N - 47.5N

MSc Ultra-narrow Implants

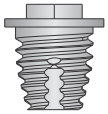
The MSC-IP has a Ø3.0mm body, meaning it can be placed in the thinner facial bones, increasing the restorative options available to the team.

	MSc-IP Ø3.00mm
Lengths Available	8.5 - 10 - 11.5 - 13 - 15

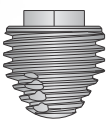
Ultra-Short and Short Implants



The Ultra-short IE & IET implants are ideal to be placed in the thin cortical bone found in the craniofacial regions.



	IE Ø4.00mm
Lengths Available	3 - 4 - 6



	IET Ø4.00mm
Lengths Available	4

Innovative **Solutions** for Challenging Cases

For contact information on your nearest distributor,
visit www.southernimplants.com

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