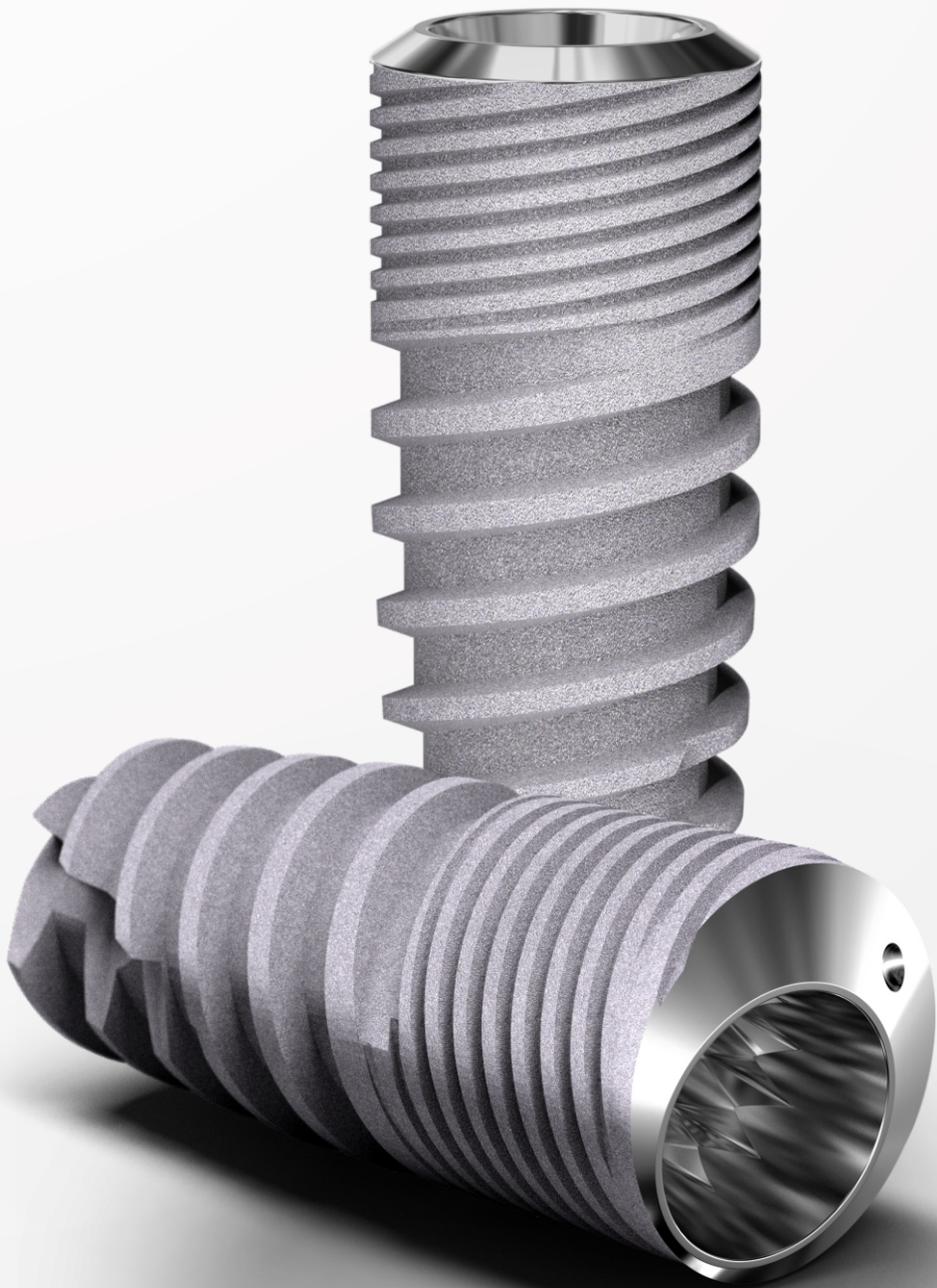


**S**  
**DEEP CONICAL**  
SOUTHERNIMPLANTS



# DEEP CONICAL

With the Deep Conical implant and prosthetic range, Southern Implants offers clinicians a tried and tested connection interface, alongside state-of-the-art implant features from leading-edge clinical research.

## A proven connection

The Southern Implants Deep Conical (DC) range was developed to provide the practitioner with an implant range based on proven concepts, to successfully meet a wide range of clinical needs.

The 22° internal taper provides an effective conical seal that limits bacterial complications. This conical connection provides a rigid implant-abutment connection, which increases stability under axial load. After extensive experimentation, the 22° angle was found to be the best compromise between lateral stability and vertical seating height.

The DC interface also features an anti-rotation internal double-hex, for versatility in the indexing of abutments.

## High strength material

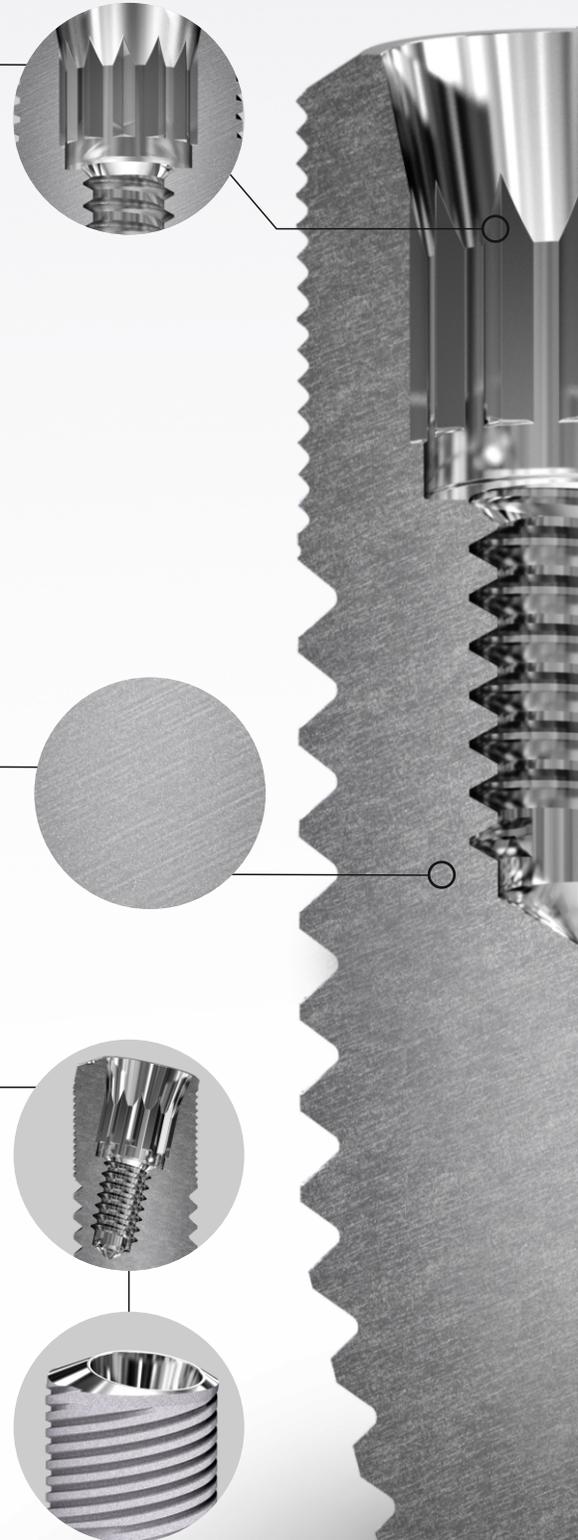
All DC implants are manufactured from a special high strength Grade IV pure titanium. (ASTM-F67-13 with UTS>920MPa). This material is used because of its proven fatigue performance, reliability and bio-compatibility.

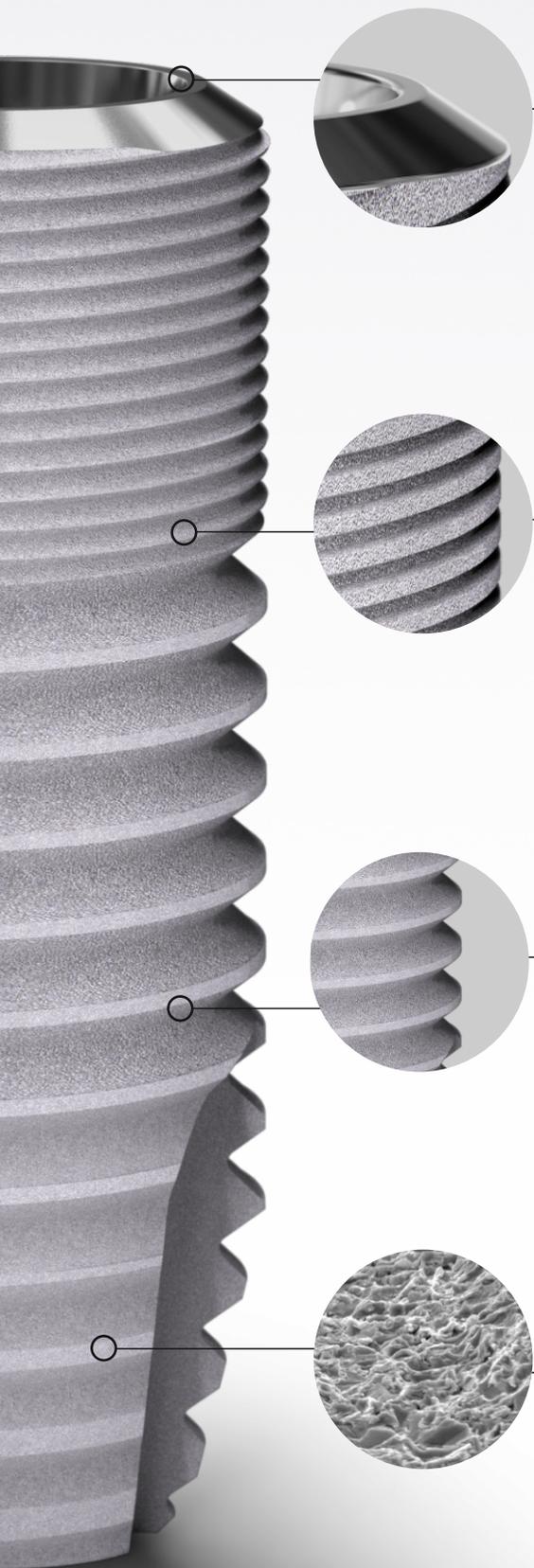
## Co-Axis™

The unique angulated-platform implant design is also available in the DC range with a built-in platform angulation of 12°.

This design enables tilting of the implant without compromising the prosthetic emergence angle. Clinical studies have shown that tilting the implant, results in a greater volume of facial soft tissue.

The DC Co-Axis implant is available in diameters Ø3.5mm and Ø4.0mm.





### ▲ **Smooth collar**

All DC implants feature a bevelled, machined-surface collar to minimize plaque and bacterial adhesion to the crest of the implant. The bevel provides a built-in platform shift, which further facilitates preservation of the biologic width.

### ▲ **Microthreads**

The neck of the implant features microthreads that lead seamlessly into the body thread of the implant. These microthreads maximize bone-implant contact and distribute load in the cortical region.

### ▲ **Implant design**

The implants are available in cylindrical and tapered designs. The cylindrical implants have a 80° “V-shaped” thread, 0.6mm apart. The cylindrical body shape is ideal for use in harder bone and grafted bone.

The tapered implants feature a 40° thread, 1.0mm apart, which condenses bone evenly. This design results in greater primary stability and they are therefore recommended for immediate loading and for soft bone.

### ▲ **Surface**

The moderately rough Southern Implants surface, with 16 years of clinical data, has shown consistent results in immediate and delayed loading (3-4 months) and long-term stability, with a low incidence of bacterial complications.

## ▲ Precision preparation

The twist and tapered drills are coated with a biocompatible anti-reflective hardened surface, which protects the drill surface and preserve the sharp cutting edges.



## ▲ Broad compatibility

The DC drills and insertion tools have been designed with careful attention to compatibility with industry standard handpieces (W&H handpiece - driving on hex).



## ▲ Innovative solutions

The Southern Implants DC range includes both standard and innovative solutions, designed to overcome commonly encountered restorative challenges.

▲ The Passive Abutment concept is an innovative solution that allows one to achieve fit of cast and milled structures, in a practical and repeatable way. It eliminates the need for complex and extensive laboratory procedures usually undertaken to improve the fit.

▲ Compact conical abutments allow the elevation of the restoration platform to a supragingival level, and conversion of the connection interface to the external cone, which is the most proven abutment interface for bridgework.

▲ Custom abutment bases (CABs) and PEEK scanning flags enable the DC to be used with most recognized CAD/CAM software packages.



For contact information on your nearest distributor,  
visit [www.southernimplants.com](http://www.southernimplants.com)