Precision preparation

The twist and tapered drills are coated with a biocompatible anti-reflective hardened surface, which protects the drill surface and preserves 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

CAT-2047-03 (C912)
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.

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.

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.

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.

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.

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.

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.

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.
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.

### 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 preserves 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