

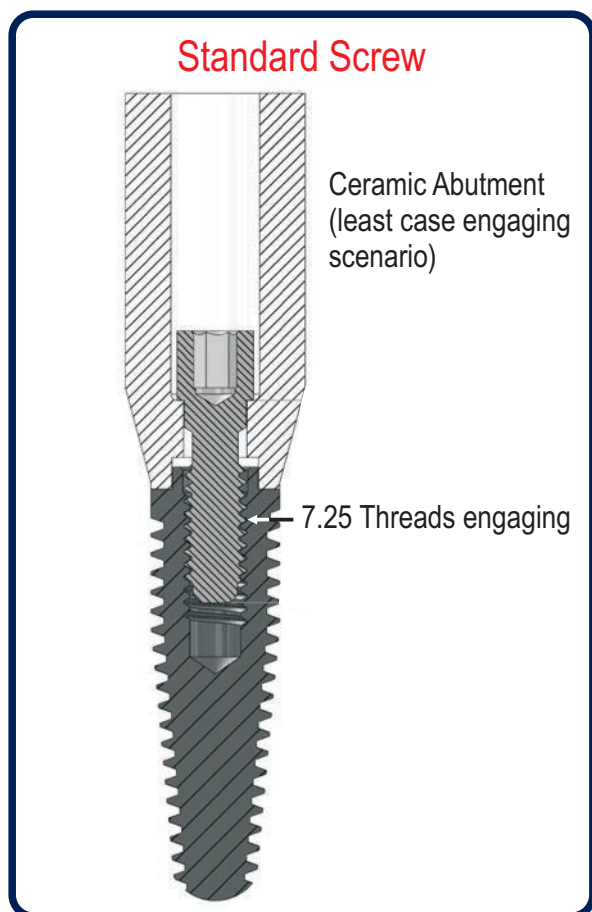
Some of the Co-Axis Implants (IBT12°, BAT 24°/36° BBT24°) required a shorter prosthetic screw, by 1.2mm, and hence the “Z” series screws are advocated for these Implants. The original screw for the External Hex, engages 7.25 threads (worst scenario) compared to the “Z” screw engaging 5.25 threads. Both of these can be viewed as excessive, when compared to some of the newer implants which rely on only 3 threads engaging.

What has changed since the original Externally Hexed design, is that we now mill the threads, as opposed to the old method of tapping a thread. This new process results in much greater perfection in the thread profile, and hence greater load carrying capacity. This also paved the way for Zygomatic and Co-Axis Implants with slightly reduced thread length.

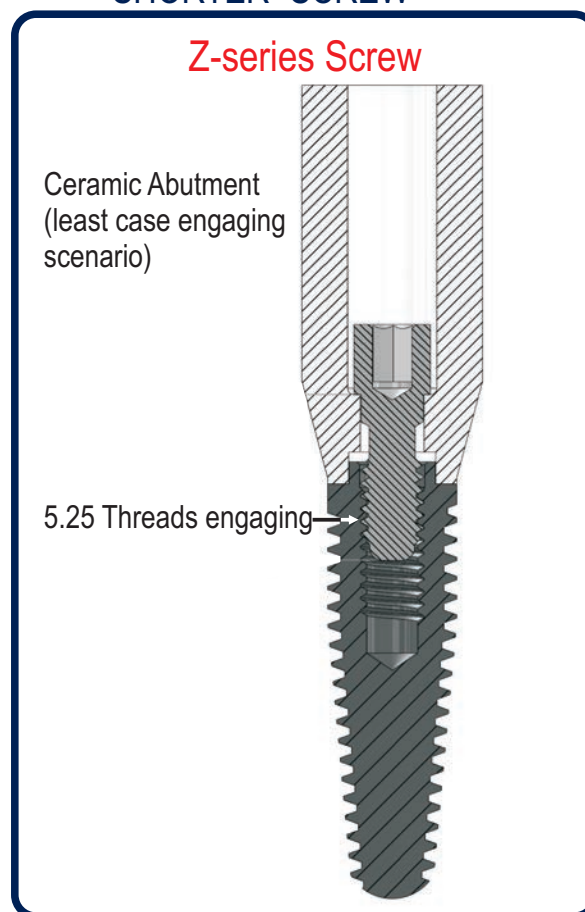
Since the introduction of these marginally reduced length prosthetic screws, an excessive amount of fatigue testing has been performed at the University of Toronto, and prospective clinical trials have been conducted with these marginally shorter screws. The result of these evaluations is that there is benefit in advocating the “Z” series screw (1.2mm shorter) for all cases. This also reduces the possibility of incorrectly using a longer screw in a co-axis implant.

The longer screw will remain available on request, but the standard screw supplied will be the marginally shorter “Z” screws.

### IMPLANT WITH ORIGINAL SCREW



### IMPLANT WITH “Z” SERIES “SHORTER” SCREW



**South Africa**  
Southern Implants (Pty) Ltd.  
Tel: +27 12 667 1046  
Fax: +27 12 6671029

**Americas / Asia**  
Southern Implants Inc.  
Tel: +1 949 273 8505  
Fax: +1 949 273 8508

**United Kingdom**  
Southern Implants UK  
Tel: +44 208 998 0063  
Fax: +44 208 997 0580

**Australia**  
Henry Schein | Halas Dental  
Tel: +61 2 9697 6288  
Fax: +61 2 9697 6250

**New Zealand**  
Southern Implants Ltd NZ  
Tel: 0800 246 752  
Cel: +64 2189 4243

**Germany**  
Southern Implants  
Tel: +49 7121 490 620  
Fax: +49 7121 491 717

**Greece**  
Southern Implants  
Tel: +30 210 898 2881  
Fax: +30 210 595 2543

**Italy**  
S.I.R s.r.l  
Tel: +39 04 556 8351  
Fax: +39 04 556 8351

**Benelux**  
ProScan bvba  
Tel: +32 11 822 650  
Fax: +32 11 822 651

**Nordic Countries**  
Protera AB  
Tel: +46 31 291078  
Fax: +46 706 150078

**Spain / Portugal**  
Contactodont  
Tel: +351 214 693 332  
Fax: +351 214 693 329

**Turkey**  
Ekodent  
Tel: +212 343 5233  
eliferdal@ekodent.com

**Namibia**  
MF Services  
Tel: +64 61 225 152  
Fax: +64 61 235 630

**Russia**  
Implant Angle Ltd.  
Tel: +7 495 649 1732  
Fax: +7 495 789 9133