

# CONICAL CONNECTION | B1



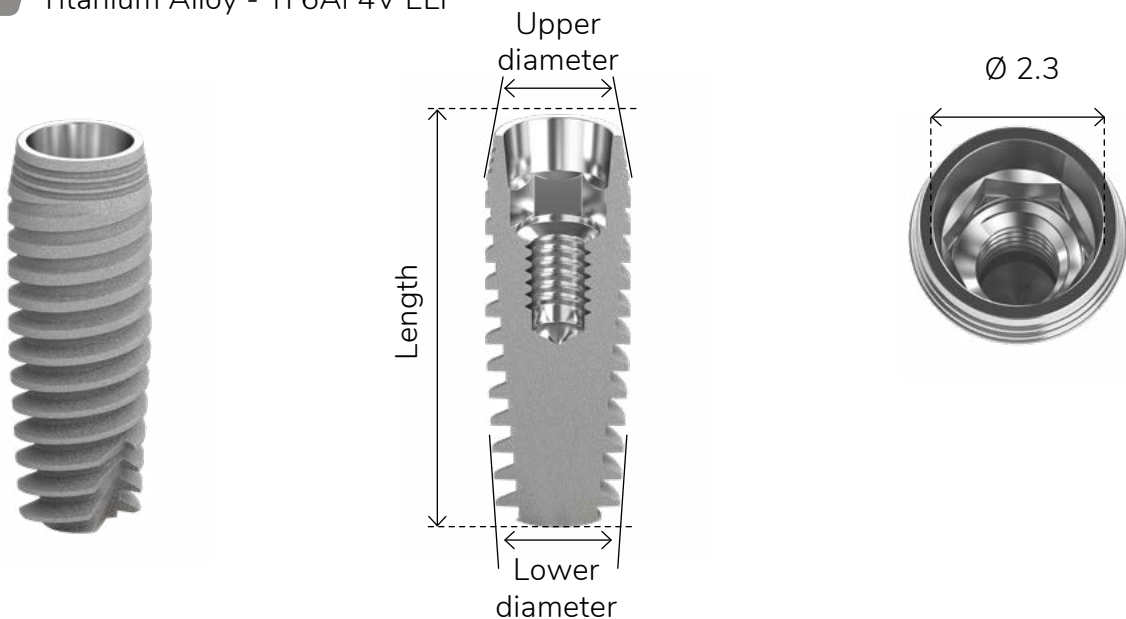
# Conical Connection | B1

Biotech B1 dental implants were designed and developed as a result of a careful and creative R&D process where a wide range of dental implants were evaluated and their most exemplary features were isolated.

These innovative features were then combined into a one-of-a-kind implant that stands out above the rest.



**Material** Titanium Alloy - Ti 6Al 4V ELI



## Why choose Biotech B1 implants?

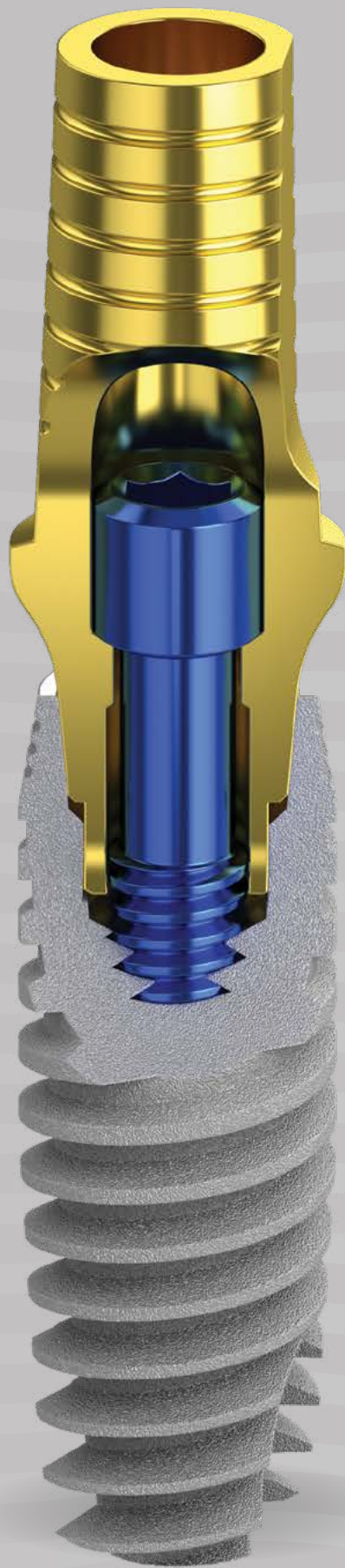
**Perfect sealing** The B1 dental implants use a 5°-morse taper connection. This enables dental surgeons to achieve a perfectly hermetic sealing and prevent the screw from loosening.

**Greater mechanical retention** The tolerance between the B1 implant ( $P$ ) and the abutment angle ( $\beta$ ) is extremely small (5 micron), which increases mechanical retention and eliminates any micro movement. This also facilitates sealing to prevent any bacterial endotoxin leakage.

**Single platform** As all B1 implants use the same platform, stability is enhanced due to the greater variety of prosthetic options and reduced number of prosthetic connections.

**Bone platform switching** Offering superior bone platform switching, the B1 implant ensures that the implant-abutment connection is kept away from the bone to minimize bone resorption and allow for more vital growth of the soft tissue.

**Conical shape** The B1 has a conical root shape and a unique thread design that give it enhanced primary stability and make it the superior implant of choice for a wide range of clinical cases and loading protocols. Its conical root shape makes it ideal for scenarios where space is restricted due to bone resorption or vital anatomical structures.



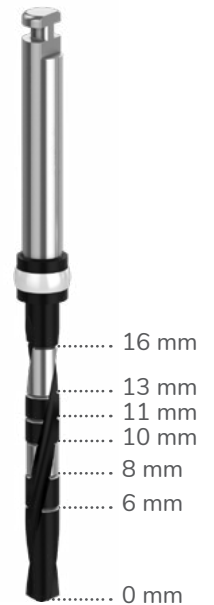
# Conical Connection | B1

## B1 Ø 3.5 mm

Upper Diameter  
Ø 3.5 mm

Lower Diameter  
Ø 2.9 mm

Length	Catalog Number
8.5 mm	Bio-B3585
10 mm	Bio-B3510
11.5 mm	Bio-B3511
13 mm	Bio-B3513
16 mm	Bio-B3516



### Soft Bone (D3, D4)

### Hard Bone (D1, D2)



Diameter (mm)	Ø 1.9	Ø 2.0	Ø 2.5	Ø 2.8	Ø 3.5
Drill Speed (rpm)	1200-1500	900-1200	500-700	500-700	

Diameter (mm)	Ø 3.2	Ø 3.5
Drill Speed (rpm)	500-700	

\* Recommended insertion torque 35-60 Ncm

\* Procedure recommended by Biotec Implant Systems GmbH.  
Dental professionals should exercise their own judgment in each case.

# Conical Connection | B1

## B1 Ø 4.0 mm

Upper Diameter  
Ø 4.0 mm

Lower Diameter  
Ø 3.4 mm

Length	Catalog Number
8.5 mm	Bio-B4085
10 mm	Bio-B4010
11.5 mm	Bio-B4011
13 mm	Bio-B4013
16 mm	Bio-B4016

### Soft Bone (D3, D4)

### Hard Bone (D1, D2)



<b>Diameter (mm)</b>	Ø 1.9	Ø 2.0	Ø 2.5	Ø 2.8	Ø 3.2	Ø 3.65	Ø 4.0	Ø 3.8	Ø 4.0
<b>Drill Speed (rpm)</b>	1200-1500	900-1200	500-700	500-700	500-700	500-700		500-700	

\* Recommended insertion torque 35-60 Ncm

\* Procedure recommended by Biotec Implant Systems GmbH.  
Dental professionals should exercise their own judgment in each case.

# Conical Connection | B1

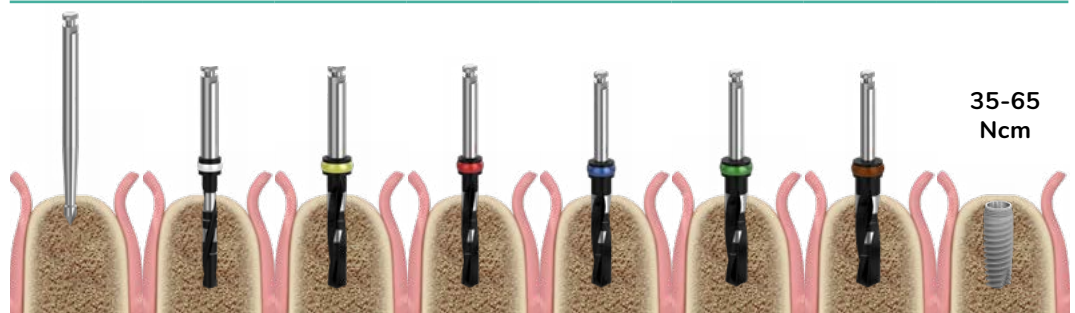
## B1 Ø 4.5 mm

Upper Diameter  
Ø 4.5 mm

Lower Diameter  
Ø 3.9 mm

Length	Catalog Number
8.5 mm	Bio-B4585
10 mm	Bio-B4510
11.5 mm	Bio-B4511
13 mm	Bio-B4513
16 mm	Bio-B4516

### Soft Bone (D3, D4)



Diameter (mm)	Ø 1.9	Ø 2.0	Ø 2.5	Ø 2.8	Ø 3.2	Ø 3.65	Ø 3.8	Ø 4.5
Drill Speed (rpm)	1200-1500	900-1200	500-700	500-700	500-700	500-700	500-700	500-700

### Hard Bone (D1, D2)



Diameter (mm)	Ø 4.2	Ø 4.5
Drill Speed (rpm)	500-700	500-700

\* Recommended insertion torque 35-60 Ncm

\* Procedure recommended by Biotec Implant Systems GmbH. Dental professionals should exercise their own judgment in each case.

# Conical Connection | B1

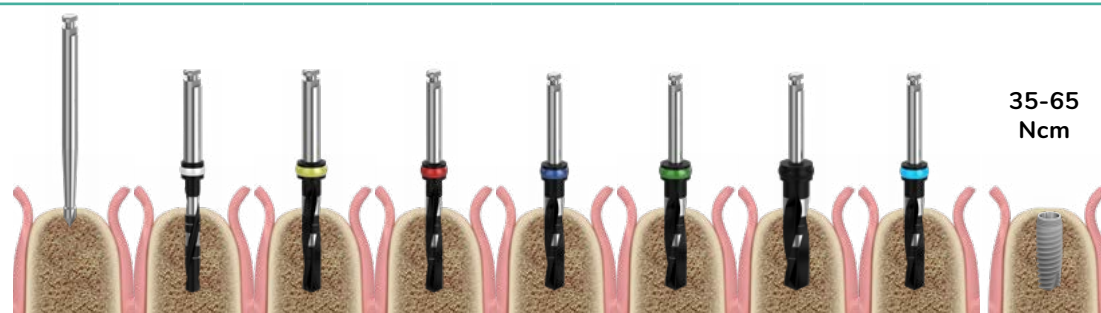
## B1 Ø 5.0 mm

Upper Diameter  
Ø 5.0 mm

Lower Diameter  
Ø 4.4 mm

Length	Catalog Number
8.5 mm	Bio-B5085
10 mm	Bio-B5010
11.5 mm	Bio-B5011
13 mm	Bio-B5013
16 mm	Bio-B5016

### Soft Bone (D3, D4)



<b>Diameter (mm)</b>	Ø 1.9	Ø 2.0	Ø 2.5	Ø 2.8	Ø 3.2	Ø 3.65	Ø 4.2	Ø 4.5	Ø 5.0
<b>Drill Speed (rpm)</b>	1200-1500	900-1200	500-700	500-700	500-700	500-700	500-700	500-700	

### Hard Bone (D1, D2)



<b>Diameter (mm)</b>	Ø 4.8	Ø 5.0
<b>Drill Speed (rpm)</b>	500-700	

\* Recommended insertion torque 35-60 Ncm

\* Procedure recommended by Biotec Implant Systems GmbH. Dental professionals should exercise their own judgment in each case.



info@biotec-implant.com  
T. +49.6196.6521096  
biotec-implant.com

Franzgraben 6,  
34125 Kassel,  
Germany

[www.biotec-implant.com](http://www.biotec-implant.com)