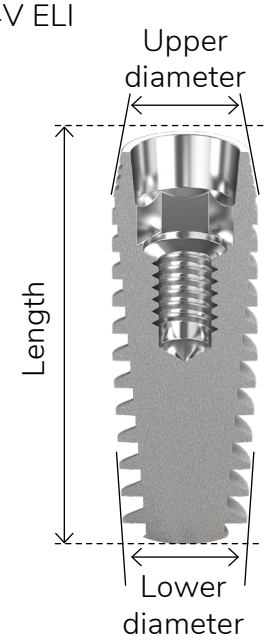
CONICAL CONNECTION | B1

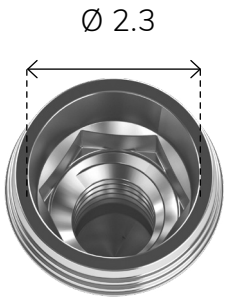
Conical Connection | **B1**

Biotec 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 Biotec B1 implants?

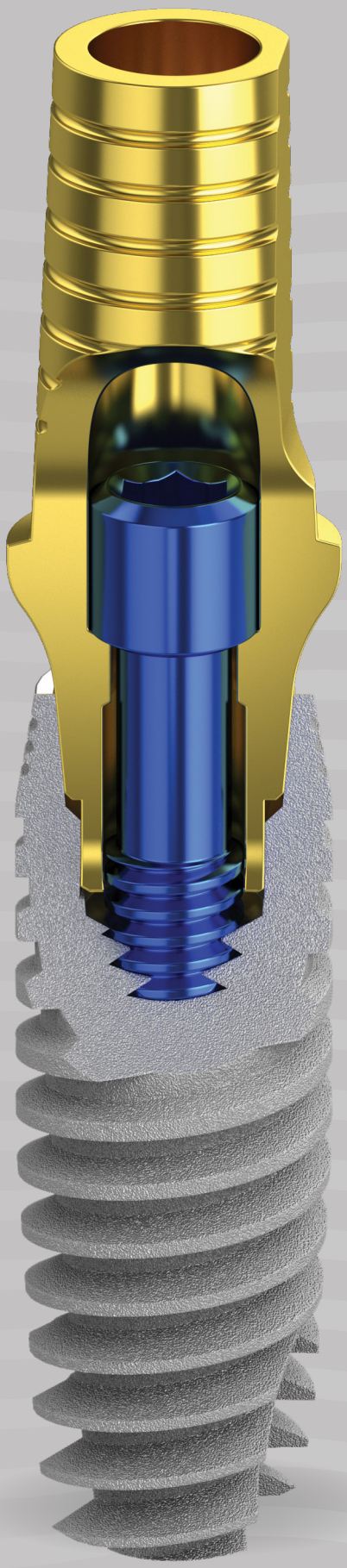
Perfect sealing The B1 dental implants use a 5°-morse taper connection. This enables dental surgeons to achieve a perfectly hermetic sealing and prevent the screw from loosening.

Greater mechanical retention The tolerance between the B1 implant (Þ) and the abutment angle (ß) 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.



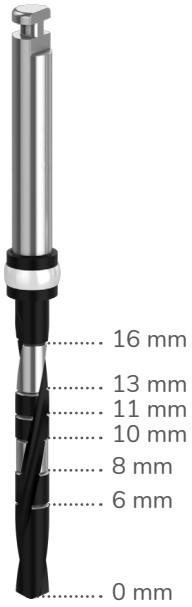
Conical Connection | **B1**

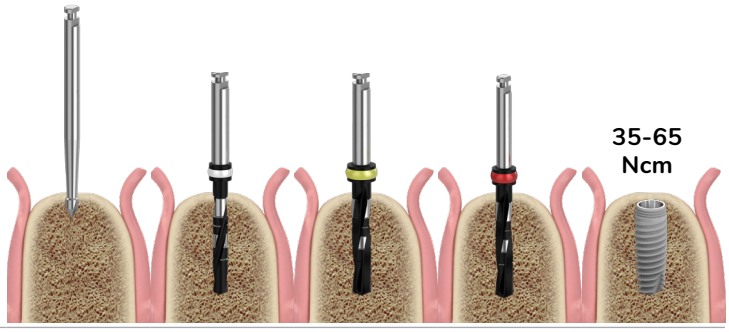
B1 Ø 3.5 mm

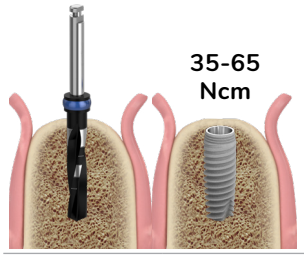
Upper Diameter
Ø 3.5 mm

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**	**Ø 3.2**	**Ø 3.5**
Drill Speed (rpm)	1200-1500	900-1200	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.

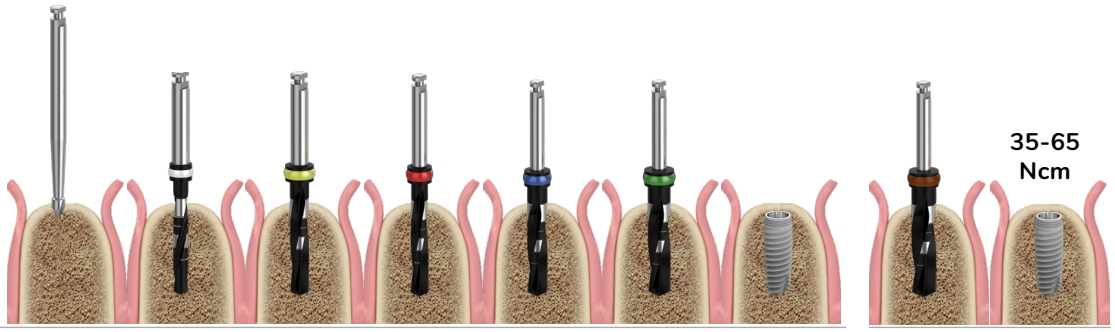
Conical Connection | **B1**

B1 Ø 4.0 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)	
Diameter (mm)	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
Drill Speed (rpm)	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**

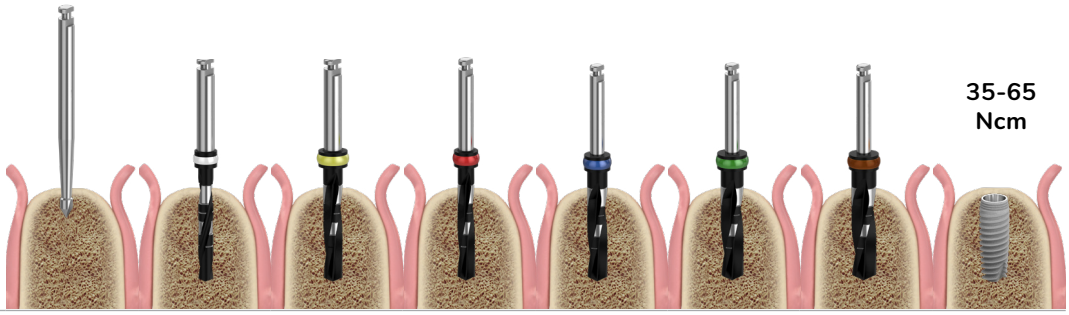
B1 Ø 4.5 mm

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	

Hard Bone (D1, D2)

Diameter (mm)	**Ø 4.2**	**Ø 4.5**
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 5.0 mm

Upper Diameter
Ø 5.0 mm

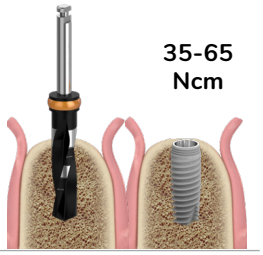
Lower Diameter
Ø 4.4 mm

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)

Diameter (mm)	**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**
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 4.8**	**Ø 5.0**
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.