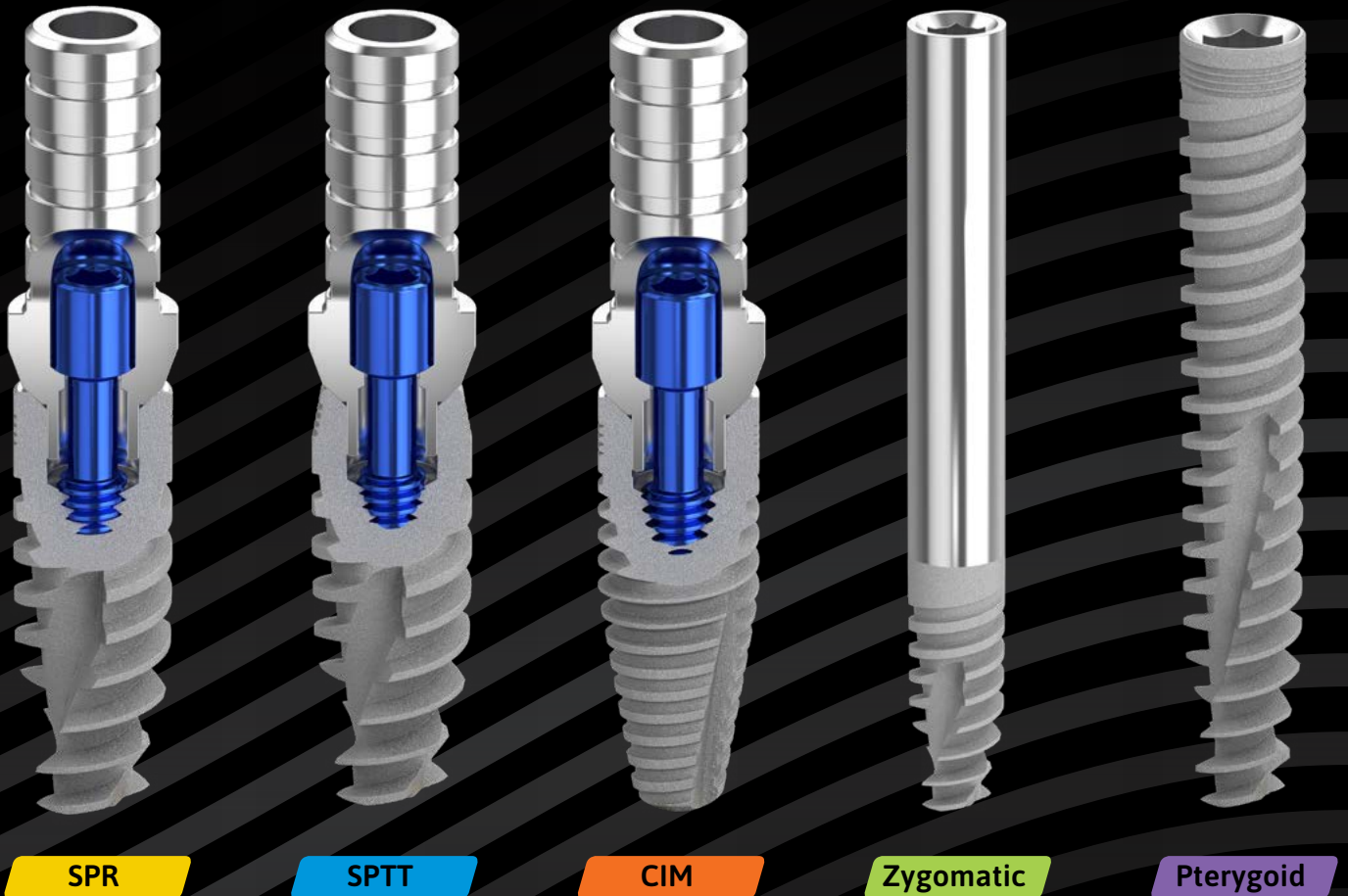


INTERNAL HEX



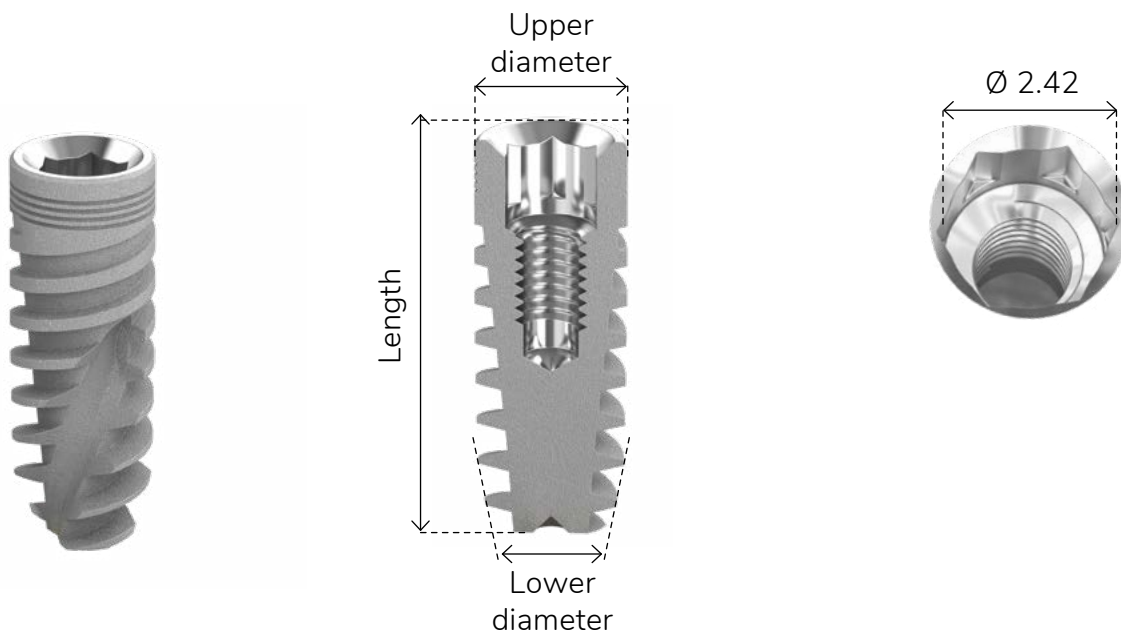
Biotec internal hex connection implants offer the perfect fit between the implant and the abutment, and are designed and developed to meet the highest standards of safety, functionality and aesthetics. Our portfolio covers almost every clinical case – from the most simple to the most complex. This is to ensure that every dental surgeon finds the most accurate and convenient implant with which to work and achieve the best results for patients.

Internal Hex | **SPR**

BiotecSPR implants are spiral-tapered implants with sharp threads and a pronounced tapered core that have been uniquely designed with sharper cutting flutes to slice through and widen the bone gradually.

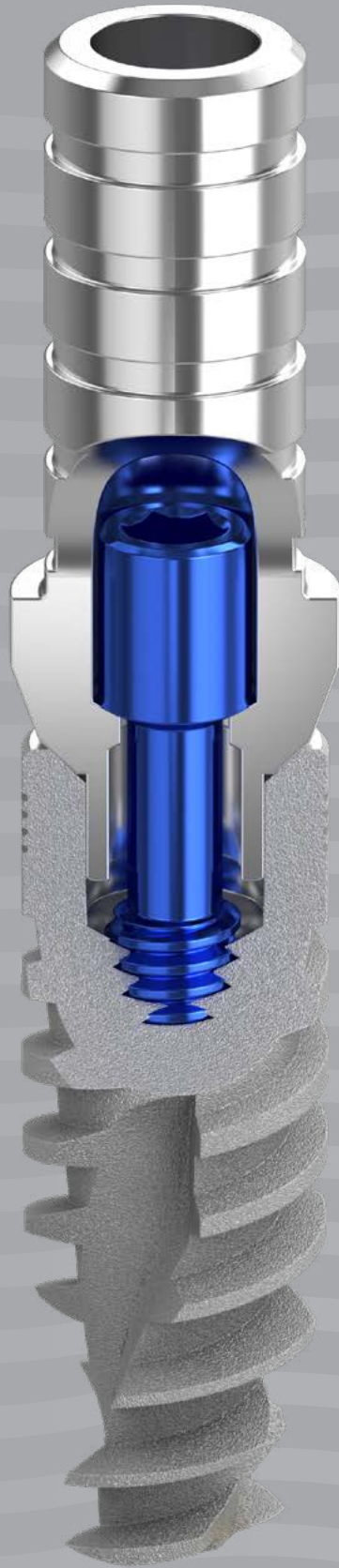


Material Titanium Alloy - Ti 6Al 4V ELI



Why choose BiotecSPR implants?

- Minimize micro movement and reduce bone resorption
- Improved cutting ability
- Better bone-to-implant contact for better primary stability
- Exceptional solution for immediate placement and loading
- Fast insertion
- Self-tapping
- Bone condensing
- RBM surface treatment enhances soft tissue integration and stabilizes crestal bone



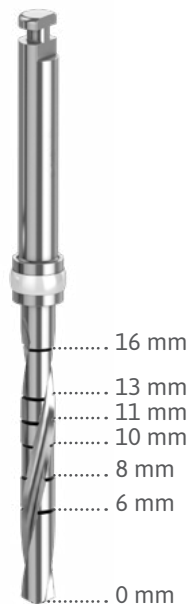
Internal Hex | **SPR**

SPR Ø 3.3 mm

Upper Diameter
Ø 3.3 mm

Lower Diameter
Ø 2.8 mm

Length	Catalog Number
8 mm	Bio-SPR3308
10 mm	Bio-SPR3310
11.5 mm	Bio-SPR3311
13 mm	Bio-SPR3313
16 mm	Bio-SPR3316



Soft Bone (D3, D4)

Hard Bone (D1, D2)

Diameter (mm)	Ø 1.9	Ø 2.0	Ø 2.5	Ø 2.8	Ø 3.3	Ø 3.2	Ø 3.3
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.

Internal Hex | **SPR**

SPR Ø 3.75 mm

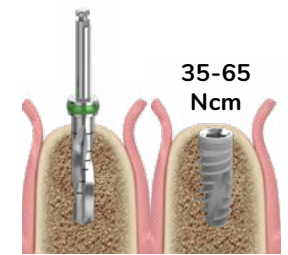
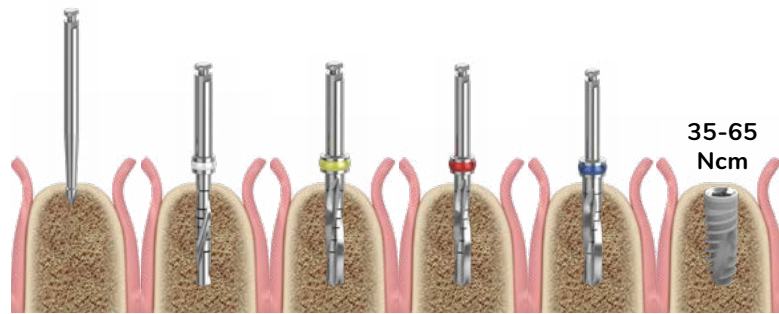
Upper Diameter
Ø 3.75 mm

Lower Diameter
Ø 2.9 mm

Length	Catalog Number
6 mm	Bio-SPR3706
8 mm	Bio-SPR3708
10 mm	Bio-SPR3710
11.5 mm	Bio-SPR3711
13 mm	Bio-SPR3713
16 mm	Bio-SPR3716

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 3.75	Ø 3.65	Ø 3.75
Drill Speed (rpm)	1200-1500	900-1200	500-700	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.

Internal Hex | SPR

SPR Ø 4.2 mm

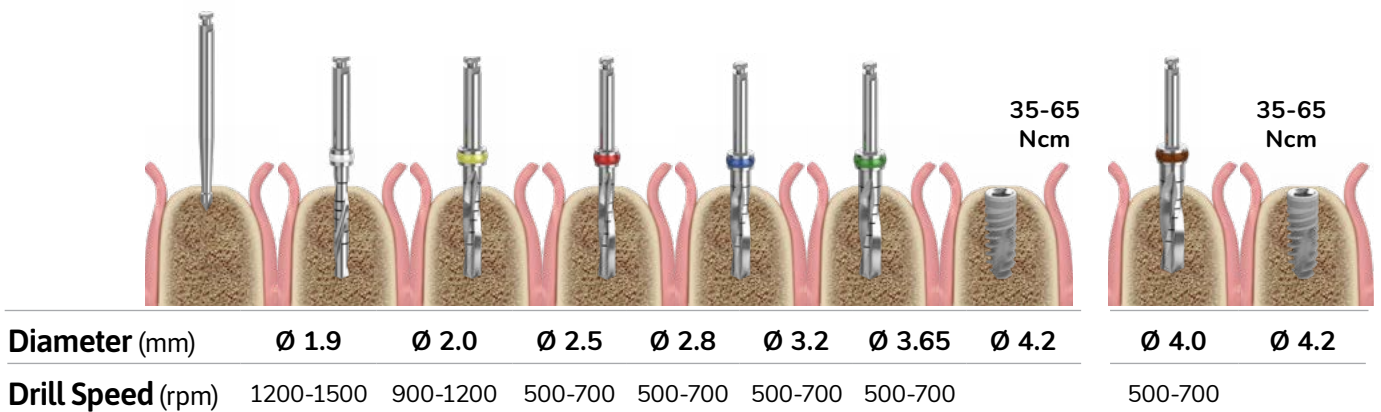
Upper Diameter
Ø 4.2 mm

Lower Diameter
Ø 3.3 mm

Length	Catalog Number
6 mm	Bio-SPR4206
8 mm	Bio-SPR4208
10 mm	Bio-SPR4210
11.5 mm	Bio-SPR4211
13 mm	Bio-SPR4213
16 mm	Bio-SPR4216

Soft Bone (D3, D4)

Hard Bone (D1, D2)



* Recommended insertion torque 35-60 Ncm

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

Internal Hex | SPR

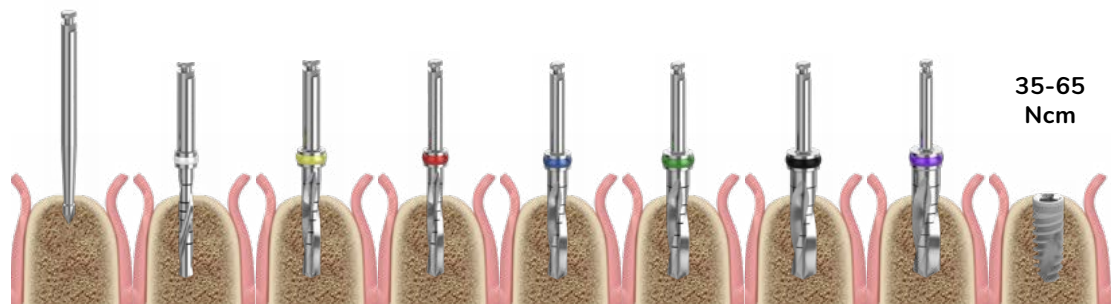
SPR Ø 5.0 mm

Upper Diameter
Ø 5.0 mm

Lower Diameter
Ø 4.1 mm

Length	Catalog Number
6 mm	Bio-SPR5006
8 mm	Bio-SPR5008
10 mm	Bio-SPR5010
11.5 mm	Bio-SPR5011
13 mm	Bio-SPR5013
16 mm	Bio-SPR5016

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.

Internal Hex | SPR

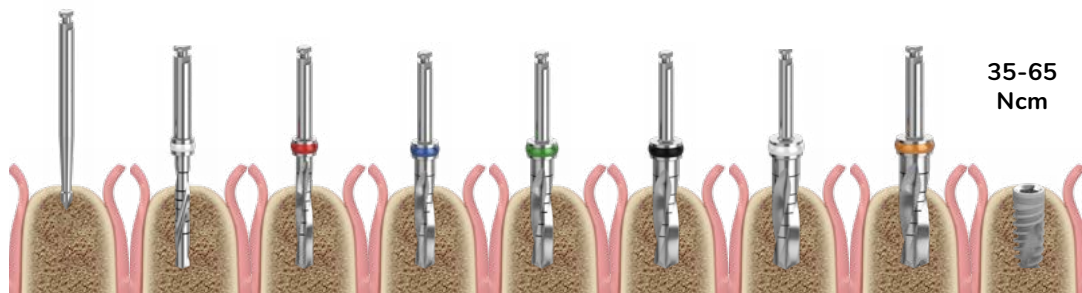
SPR Ø 6.0 mm

Upper Diameter
Ø 6.0 mm

Lower Diameter
Ø 5.1 mm

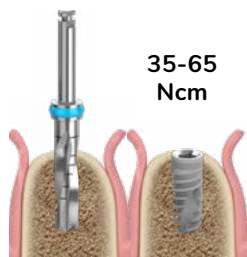
Length	Catalog Number
6 mm	Bio-SPR6006
8 mm	Bio-SPR6008
10 mm	Bio-SPR6010
11.5 mm	Bio-SPR6011
13 mm	Bio-SPR6013

Soft Bone (D3, D4)



Diameter (mm)	Ø 1.9	Ø 2.0	Ø 2.8	Ø 3.2	Ø 3.65	Ø 4.2	Ø 4.8	Ø 5.2	Ø 6.0
Drill Speed (rpm)	1200-1500	900-1200	500-700	500-700	500-700	500-700	500-700	500-700	500-700

Hard Bone (D1, D2)



Diameter (mm)	Ø 5.8	Ø 6.0
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.

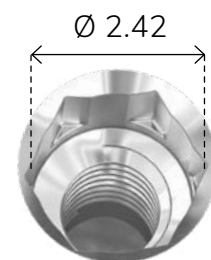
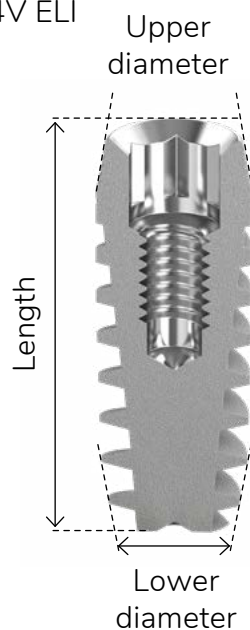


Internal Hex | SPTT

BiotecSPTT implants share the same three-thread zone concept as SPR implants but they also incorporate platform switching in their design, which keeps the implant-abutment connection away from the bone, minimizes bone resorption and allows for more vital growth of the soft tissue.

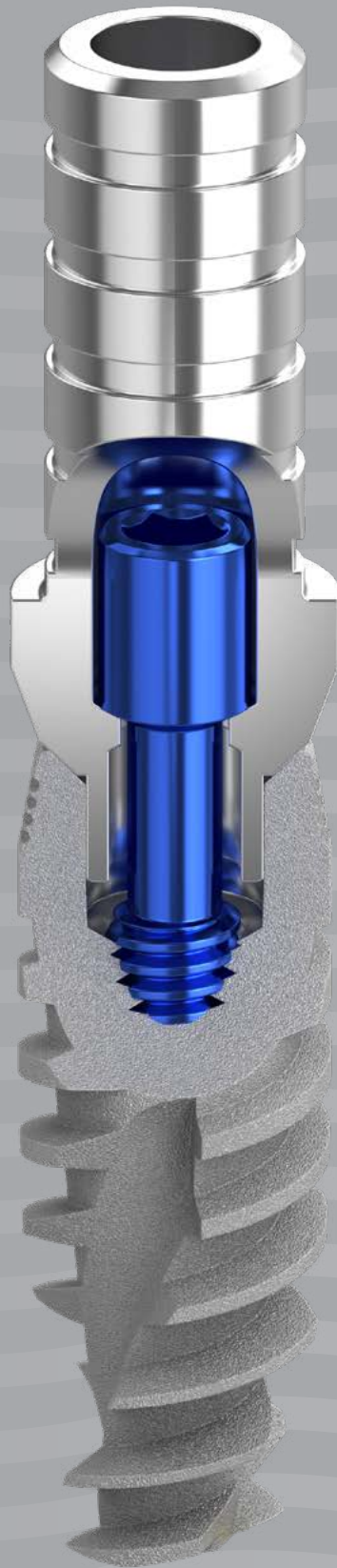


Material Titanium Alloy - Ti 6Al 4V ELI



Why choose BiotecSPTT implants?

- Platform switching – keeps implant-abutment connection away from the bone and minimizes bone resorption
- Improved cutting ability
- Better bone-to-implant contact for better primary stability
- Exceptional solution for immediate placement and loading
- Fast insertion
- Self-tapping
- Bone condensing
- RBM surface treatment enhances soft tissue integration and stabilizes crestal bone



Internal Hex | SPTT

SPTT Ø 4.2 mm

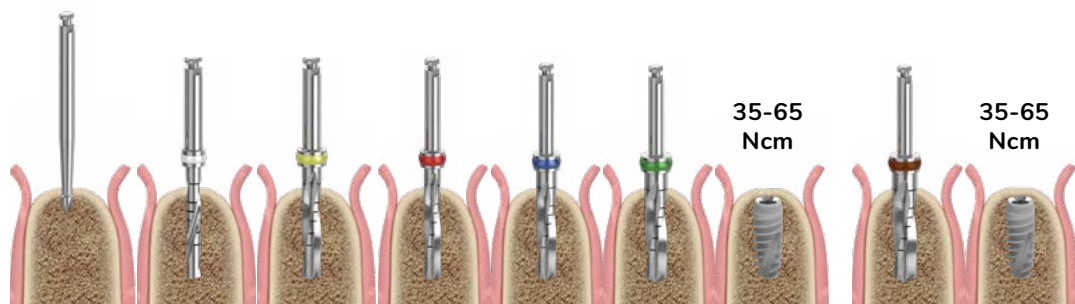
Upper Diameter
Ø 4.2 mm

Lower Diameter
Ø 3.3 mm

Length	Catalog Number
6 mm	Bio-SPTT4306
8 mm	Bio-SPTT4308
10 mm	Bio-SPTT4310
11.5 mm	Bio-SPTT4311
13 mm	Bio-SPTT4313
16 mm	Bio-SPTT4316

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 4.2	Ø 4.0	Ø 4.2
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.

Internal Hex | SPTT

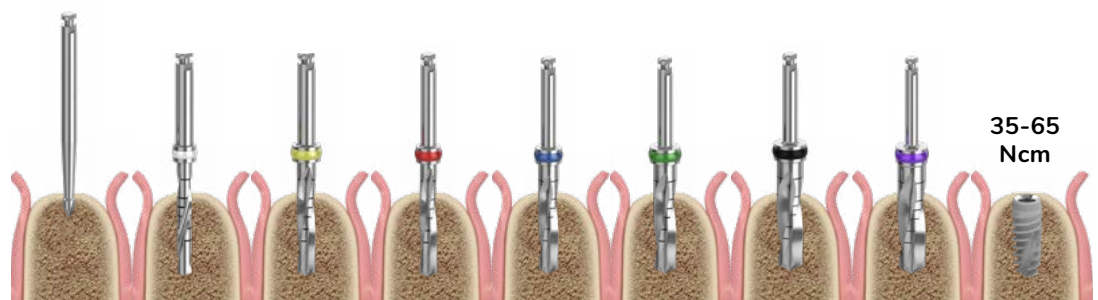
SPTT Ø 5.0 mm

Upper Diameter
Ø 5.0 mm

Lower Diameter
Ø 4.1 mm

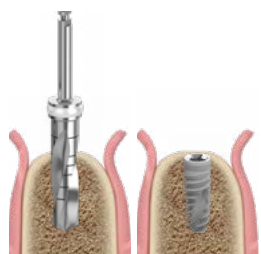
Length	Catalog Number
6 mm	Bio-SPTT5106
8 mm	Bio-SPTT5108
10 mm	Bio-SPTT5110
11.5 mm	Bio-SPTT5111
13 mm	Bio-SPTT5113
16 mm	Bio-SPTT5116

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	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.

Internal Hex | SPTT

SPTT Ø 6.0 mm

Upper Diameter
Ø 6.0 mm

Lower Diameter
Ø 5.1 mm

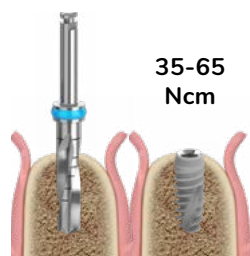
Length	Catalog Number
6 mm	Bio-SPTT6106
8 mm	Bio-SPTT6108
10 mm	Bio-SPTT6110
11.5 mm	Bio-SPTT6111
13 mm	Bio-SPTT6113

Soft Bone (D3, D4)



Diameter (mm)	Ø 1.9	Ø 2.0	Ø 2.8	Ø 3.2	Ø 3.65	Ø 4.2	Ø 4.8	Ø 5.2	Ø 6.0
Drill Speed (rpm)	1200-1500	900-1200	500-700	500-700	500-700	500-700	500-700	500-700	500-700

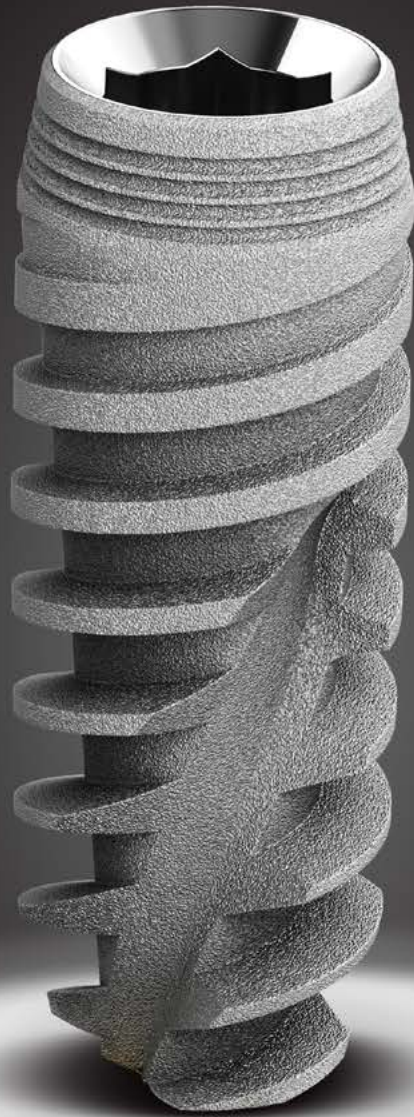
Hard Bone (D1, D2)



Diameter (mm)	Ø 5.8	Ø 6.0
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.

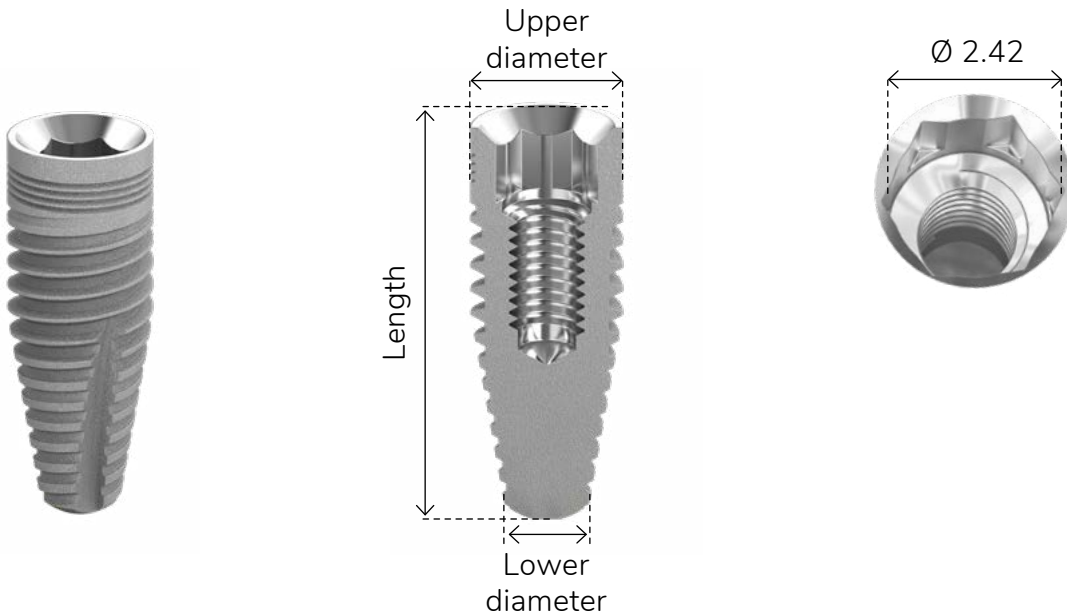


Internal Hex | **CIM**

BiotecCIM implants are tapered implants with an internal hex connection that mimic the shape of the natural tooth root and are designed for high initial stability. They perform well in a wide range of indications, including soft and hard bone, flapless and flapped procedures, single and double-stage surgical protocols and immediate and delayed procedures.



Material Titanium Alloy - Ti 6Al 4V ELI



Why choose BiotechCIM implants?

- Suit a wide range of bone types and bone augmentation procedures
- Micro rings on the implant's neck improve the shear strength in the crest zone
- Designed for mild-bone compression
- Facilitate the insertion of an undersized socket
- Achieve maximum initial and long-term stability in compromised cases
- Standardized, step-by-step tapered drilling protocol simplifies site preparation and ensures predictable outcomes in all situations
- RBM surface treatment enhances soft tissue integration and stabilizes crestal bone



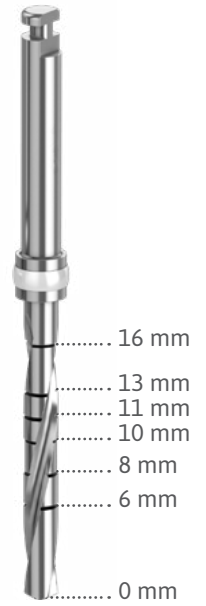
Internal Hex | **CIM**

CIM Ø 3.3 mm

Upper Diameter
Ø 3.3 mm

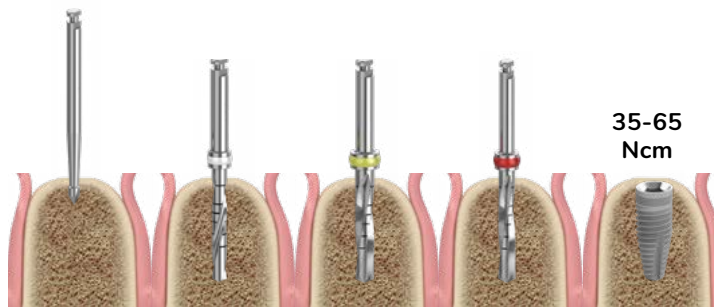
Lower Diameter
Ø 1.8 mm

Length	Catalog Number
8 mm	Bio-CIM3308
10 mm	Bio-CIM3310
11.5 mm	Bio-CIM3311
13 mm	Bio-CIM3313
16 mm	Bio-CIM3316



Soft Bone (D3, D4)

Hard Bone (D1, D2)



Diameter (mm)	Ø 1.9	Ø 2.0	Ø 2.5	Ø 2.8	Ø 3.3
Drill Speed (rpm)	1200-1500	900-1200	500-700	500-700	

Diameter (mm)	Ø 3.2	Ø 3.3
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.

Internal Hex | **CIM**

CIM Ø 3.75 mm

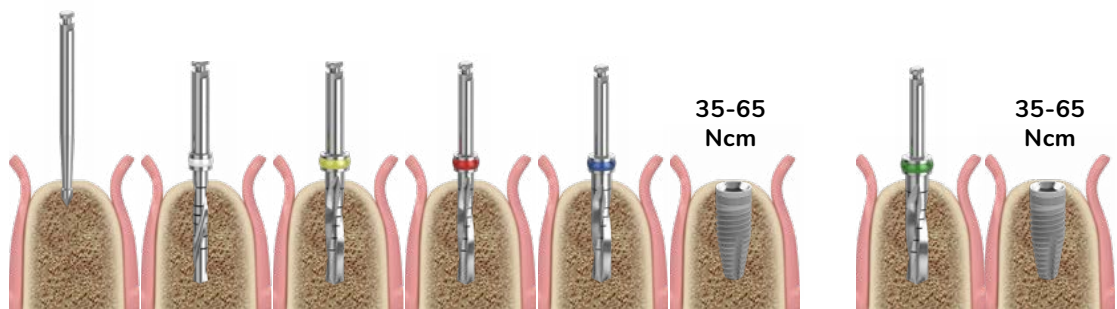
Upper Diameter
Ø 3.75 mm

Lower Diameter
Ø 1.8 mm

Length	Catalog Number
8 mm	Bio-CIM3708
10 mm	Bio-CIM3710
11.5 mm	Bio-CIM3711
13 mm	Bio-CIM3713
16 mm	Bio-CIM3716

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 3.75	Ø 3.65	Ø 3.75
Drill Speed (rpm)	1200-1500	900-1200	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.

Internal Hex | **CIM**

CIM Ø 4.2 mm

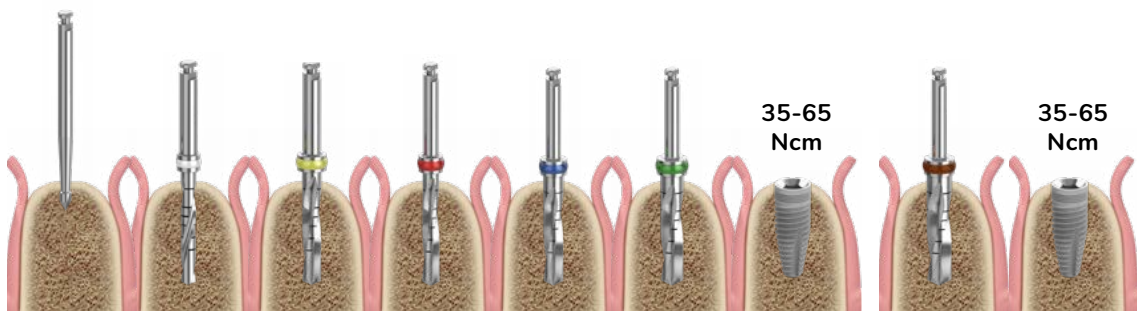
Upper Diameter
Ø 4.2 mm

Lower Diameter
Ø 2.35 mm

Length	Catalog Number
6 mm	Bio-CIM4206
8 mm	Bio-CIM4208
10 mm	Bio-CIM4210
11.5 mm	Bio-CIM4211
13 mm	Bio-CIM4213
16 mm	Bio-CIM4216

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 4.2	Ø 4.0	Ø 4.2
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.

Internal Hex | **CIM**

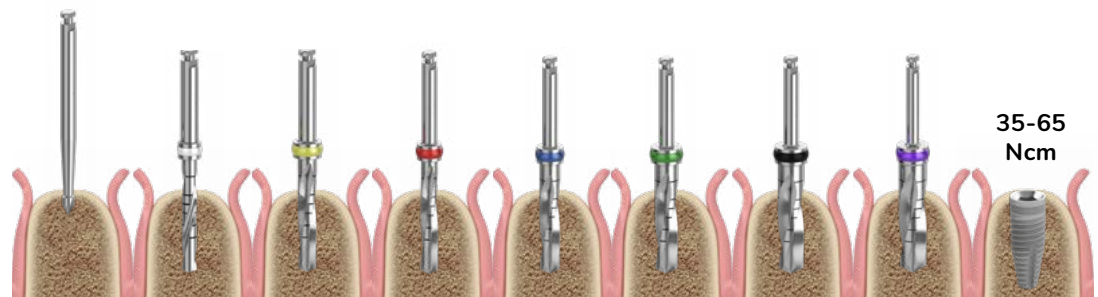
CIM Ø 5.0 mm

Upper Diameter
Ø 5.0 mm

Lower Diameter
Ø 2.8 mm

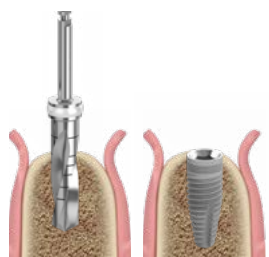
Length	Catalog Number
6 mm	Bio-CIM5006
8 mm	Bio-CIM5008
10 mm	Bio-CIM5010
11.5 mm	Bio-CIM5011
13 mm	Bio-CIM5013
16 mm	Bio-CIM5016

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	500-700

Hard Bone (D1, D2)



Diameter (mm)	Ø 4.8	Ø 5.0
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.

Internal Hex | **CIM**

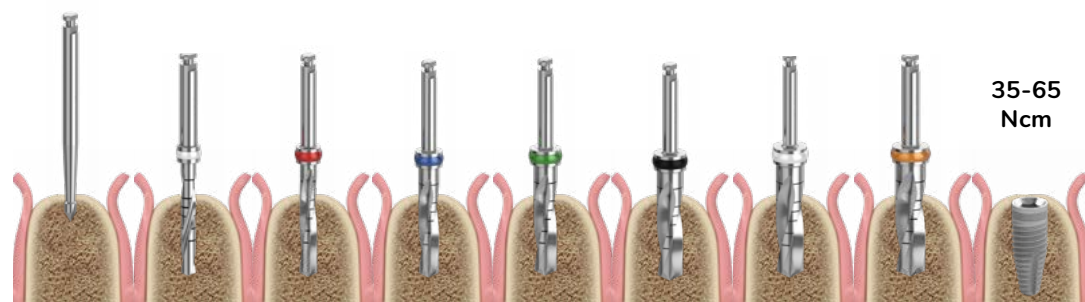
CIM Ø 6.0 mm

Upper Diameter
Ø 6.0 mm

Lower Diameter
Ø 3.5 mm

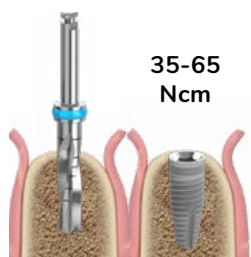
Length	Catalog Number
6 mm	Bio-CIM6006
8 mm	Bio-CIM6008
10 mm	Bio-CIM6010
11.5 mm	Bio-CIM6011
13 mm	Bio-CIM6013

Soft Bone (D3, D4)



Diameter (mm)	Ø 1.9	Ø 2.0	Ø 2.8	Ø 3.2	Ø 3.65	Ø 4.2	Ø 4.8	Ø 5.2	Ø 6.0
Drill Speed (rpm)	1200-1500	900-1200	500-700	500-700	500-700	500-700	500-700	500-700	500-700

Hard Bone (D1, D2)



Diameter (mm)	Ø 5.8	Ø 6.0
Drill Speed (rpm)	500-700	

* Recommended insertion torque 35-60 Ncm

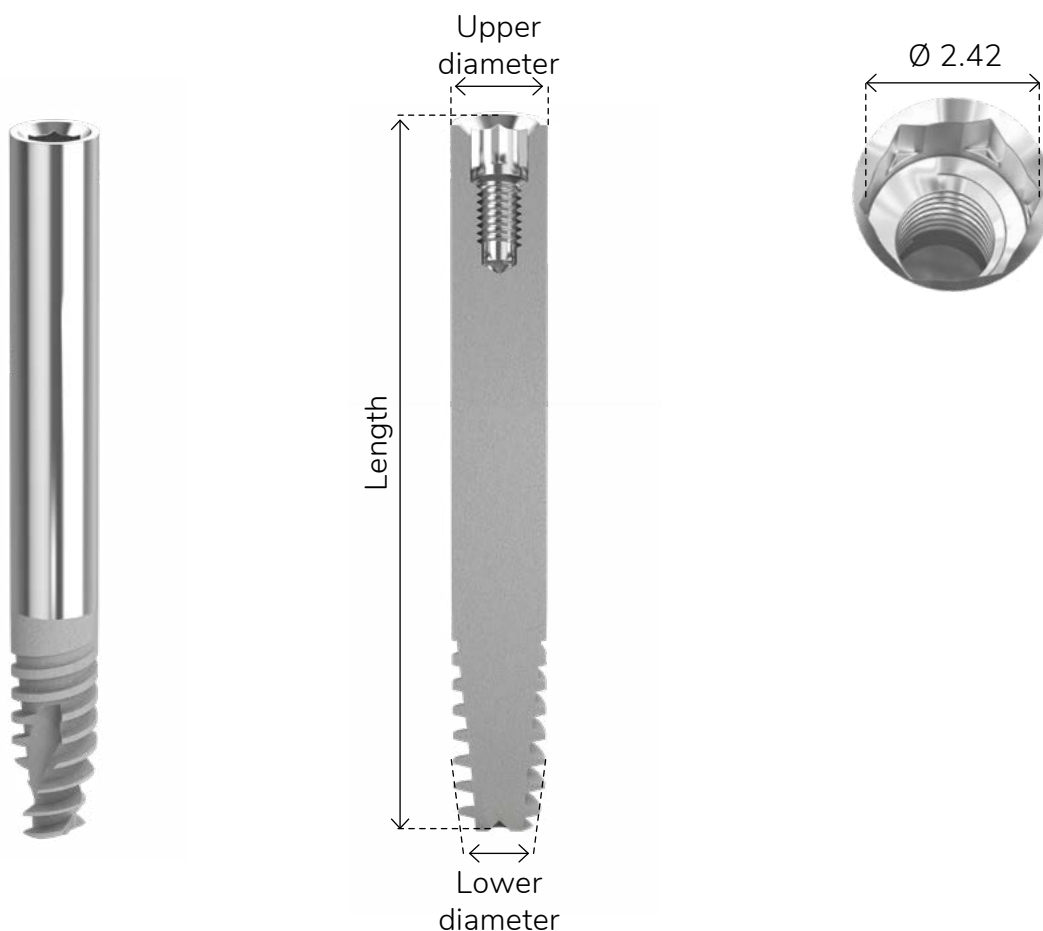
* Procedure recommended by Biotec Implant Systems GmbH. Dental professionals should exercise their own judgment in each case.



Internal Hex | Zygomatic

Biotec Zygomatic implants are designed to provide a solution for cases of atrophic maxilla and are ideal for immediate loading protocol with graftless treatment. They have an internal hex connection for simple and easy restoration, and consist of sharp threads at the apical part for maximum retention to the Zygomatic bone.

Material Titanium Alloy - Ti 6Al 4V ELI



Why choose Biotec Zygomatic implants?

- Dramatically shorten time-to-teeth for increased patient satisfaction
- Graftless treatment solution – avoid bone-grafting procedures as they anchor in the zygomatic bone
- High primary stability for immediate function
- RBM surface treatment enhances soft tissue integration and stabilizes crestal bone



Zygomatic Ø 4.2 mm

Upper Diameter
Ø 4.2 mm

Lower Diameter
Ø 3.3 mm

Length	Catalog Number
35 mm	Bio-ZYG4235
37.5 mm	Bio-ZYG4237
40 mm	Bio-ZYG4240
42.5 mm	Bio-ZYG4242
45 mm	Bio-ZYG4245
47.5 mm	Bio-ZYG4247
50 mm	Bio-ZYG4250
52.5 mm	Bio-ZYG4252
55 mm	Bio-ZYG4255
57.5 mm	Bio-ZYG4257
60 mm	Bio-ZYG4260

* Recommended insertion torque 35-60 Ncm

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



- ✔ Zygomatic implants are an evidence-based surgical and prosthetic solution for both two-stage and immediate loading protocols.

Today, zygomatic implants are usually placed using an immediate loading protocol.

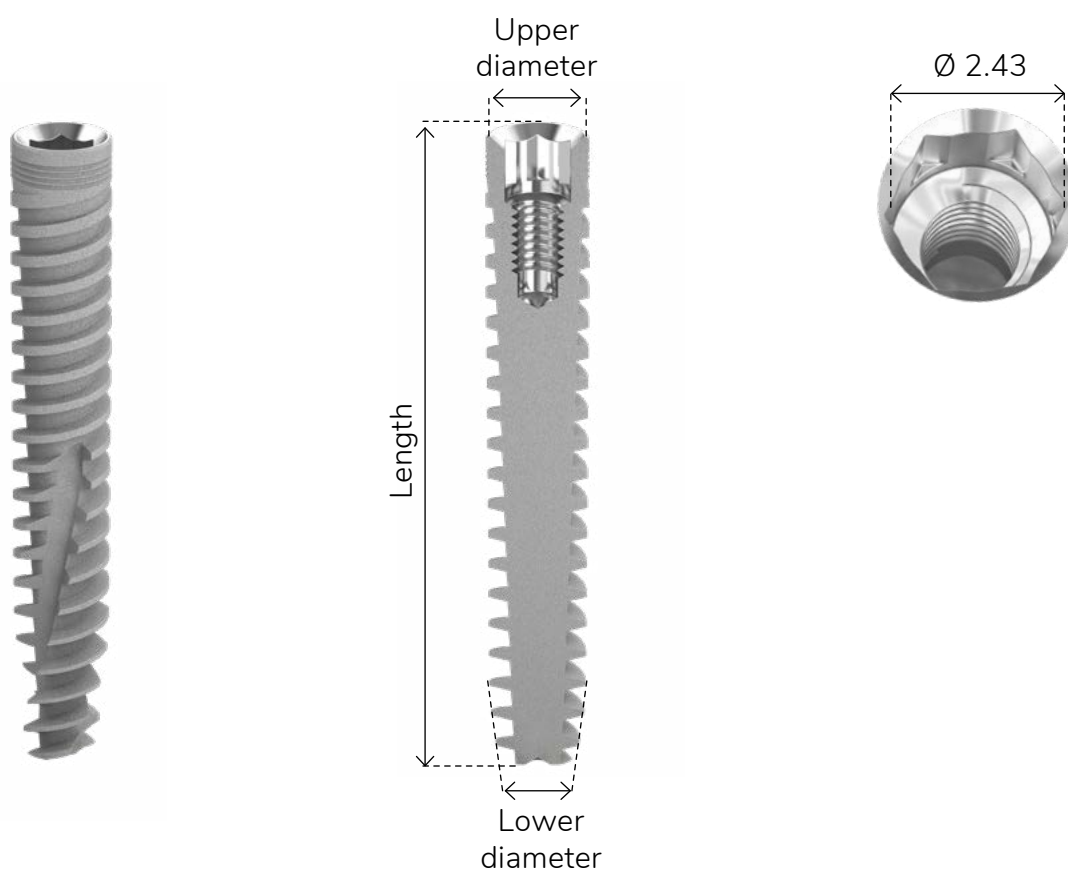
- ✔ Indications for zygomatic implant insertion include: alternative for sinus augmentation, failed sinus augmentation, rehabilitation after tumor resection or trauma, failure of conventional implants, and failure of previous bone grafts.

- ✔ The placement of zygomatic implants requires adequate training and surgical experience.

Internal Hex | Pterygoid

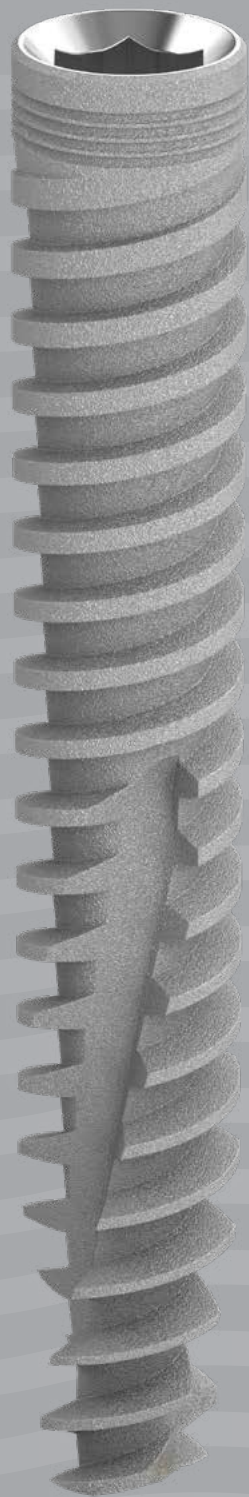
Biotec Pterygoid implants are designed for application in the posterior maxilla and pterygomaxillary region. They have deep and sharp deep threads that ensure strong retention and primary implant stability, and they also offer stability for immediate loading procedures. In addition, the neck of the implant has a smooth surface to help eliminate perio-pathogens and reduce the chances of inflammation around the neck area.

Material Titanium Alloy - Ti 6Al 4V ELI



Why choose Biotec Pterygoid implants?

- Smooth neck surface helps eliminate perio-pathogens
- Deep and sharp threads ensure strong retention and primary implant stability
- Stability for immediate loading procedures
- RBM-treated surface increases the BIC



Internal Hex | Pterygoid

Pterygoid Ø 3.75 mm

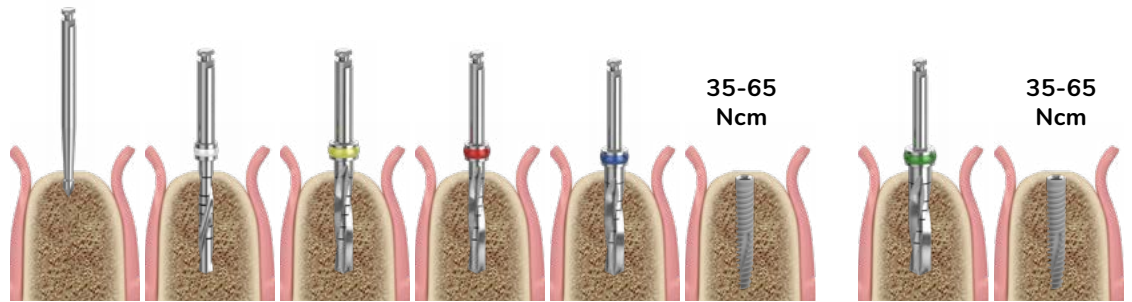
Upper Diameter
Ø 3.75 mm

Lower Diameter
Ø 2.9 mm

Length	Catalog Number
18 mm	Bio-PTG3718
20 mm	Bio-PTG3720
22 mm	Bio-PTG3722
25 mm	Bio-PTG3725

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 3.75	Ø 3.65	Ø 3.75
Drill Speed (rpm)	1200-1500	900-1200	500-700	500-700	500-700	35-65 Ncm	35-65 Ncm	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.

Internal Hex | Pterygoid

Pterygoid Ø 4.2 mm

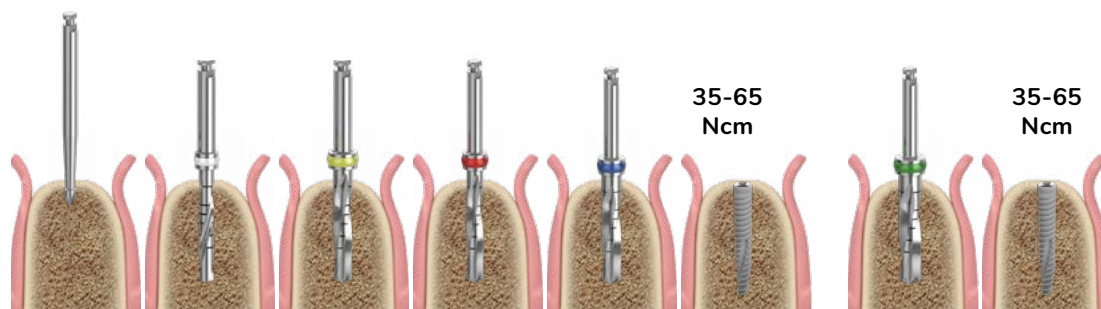
Upper Diameter
Ø 4.2 mm

Lower Diameter
Ø 3.3 mm

Length	Catalog Number
18 mm	Bio-PTG4218
20 mm	Bio-PTG4220
22 mm	Bio-PTG4222
25 mm	Bio-PTG4225

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 4.2	Ø 3.65	Ø 4.2
Drill Speed (rpm)	1200-1500	900-1200	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.



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