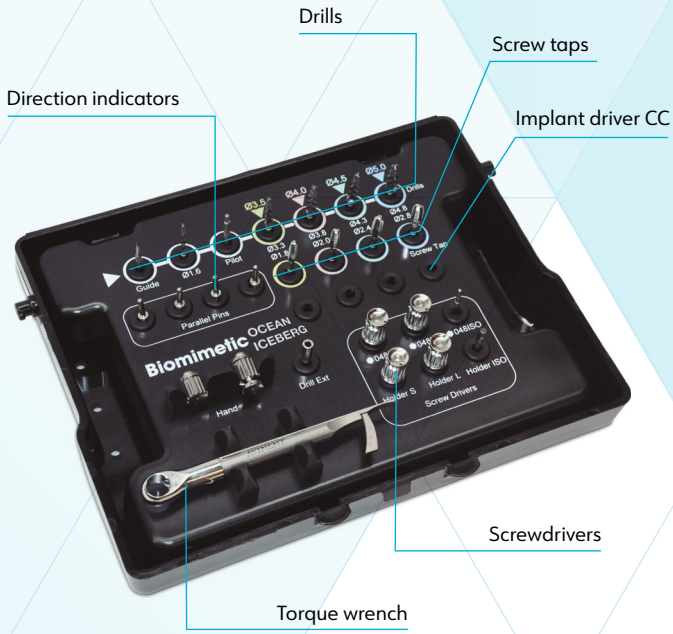
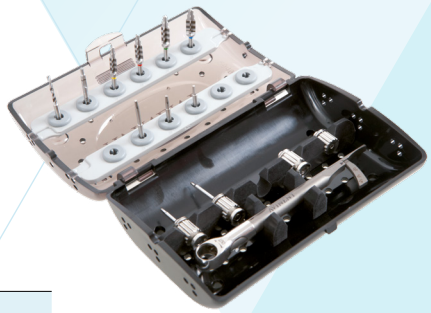
Instruments and surgical kit

Avinent supplies high-precision instruments designed to match implants and suitable for use with internal, external and conical connections.
Avinent's two surgical boxes allow practitioners to choose the working system that best meets their needs.



The sterilization cassette OCEAN stands out for its clear layout and attractive design, making it easy to use. The drilling sequence is clearly indicated by means of a simple colour code according to the diameter of the selected implant. All the pieces are placed in a sterilizable tray with a seethrough lid, giving a clear view of the interior.

The MiniBox is versatile, as it allows practitioners to select a specific sequence and take everything required for the surgical procedure with them in a small container. The box is sterilizable and can hold all the items needed for inserting prostheses.



Advisable torque

TYPE	VALUE	
Mechanical	35 Ncm	Screw for single/Multiple abutment*
	30 Ncm	Screw for angled titanium base**
	30 Ncm	Screw for angulation correction G2 (max. 30°)**
	20 Ncm	Screw for angulation correction G1 (max. 20°)**
	15 Ncm	Screw transepithelial angled abutment
	15 Ncm	Prosthetic screw for transepithelial
	35 Ncm	Transepithelial abutment (Uniblock / 2 parts)
	30 Ncm	LOCATOR® / LOCATOR R-Tx® Abutment
	25 Ncm	RHEIN83® Abutment (OT Equator)
	15 Ncm	Temporary Abutment Ti / PEEK
Manual	≈8-15 Ncm	Scan Abutment
		Impression coping open/closed tray engaging
		Healing Abutment Ti / PEEK
		Healing cap

* Regarding: Titanium base, Cemented abutment and Cemented angled abutment, Castable CoCr Base. Included: Gold screw.

** Except Transep. 4.8 of M1.40 which is 15 Ncm.

Drilling speed

	rpm
Guide drill	800 - 1.200
Drill ø 1,6 mm	800 - 1.200
Pilot drill	600 - 800
* Drill ø 2,0 - 3,3 mm	150 - 300
* Drill ø 2,2 - 3,8 mm	150 - 300
* Drill ø 2,8 - 4,3 mm	150 - 300
* Drill ø 3,2 - 4,8 mm	150 - 300
* Drill ø 2,4 - 3,3 mm	150 - 300
* Drill ø 3,0 - 3,7 mm	150 - 300
* Drill ø 3,8 - 4,3 mm	150 - 300
* Drill ø 4,1 - 4,7 mm	150 - 300
* Drill ø 4,2 - 5,7 mm	150 - 300
* Drill ø 5,1 - 5,7 mm	150 - 300
Screw Tap	20

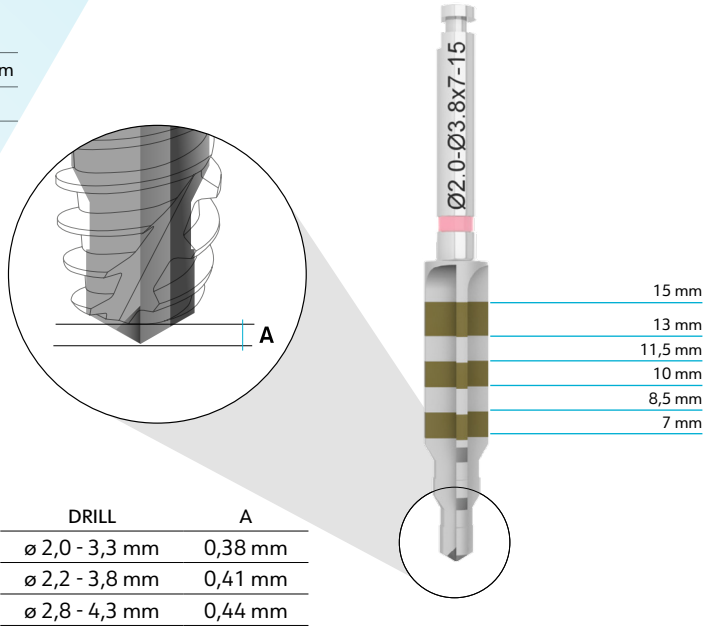
* The biological drilling at low revolutions (between 50 and 100rpm), allows to collect autologous bone as shown in the scientific literature.

Maximum recommended torque for implant insertion: 45-50 Ncm

Maximum recommended speed for implant insertion: 20 rpm

Drill-bit length and marking

Avinent drills carry laser markings to improve visibility during osteotomy and follow a colour code according to the diameter of the implant. The marking corresponds to the length of the implant in crestal placement, but the distances are not absolute from the tip of the instrument to the mark. The length of the drill tip is not included in the depth mark, so this distance must be taken into account when planning treatment and in carrying out the osteotomy.



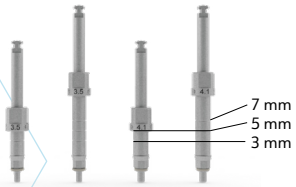
DRILL	A
ø 2,0 - 3,3 mm	0,38 mm
ø 2,2 - 3,8 mm	0,41 mm
ø 2,8 - 4,3 mm	0,44 mm
ø 3,2 - 4,8 mm	0,46 mm
ø 4,2 - 5,7 mm	0,45 mm

Accessories CC

Implant handle

	REF.
L	2891
S	1878

Implant driver



	REF.
3,5 S	2981
3,5 L	2984
4,1 S	2982
4,1 L	2985

Platform indicators

To make life easier for our costumers, Avinent screws attachments follow the color code od the implant platform (Only applicable to CC connection)

Platform
Ø 3,5 mm

Platform
Ø 4,1 mm

* For any additional information and instrument maintenance instructions, please check www.avinent.com

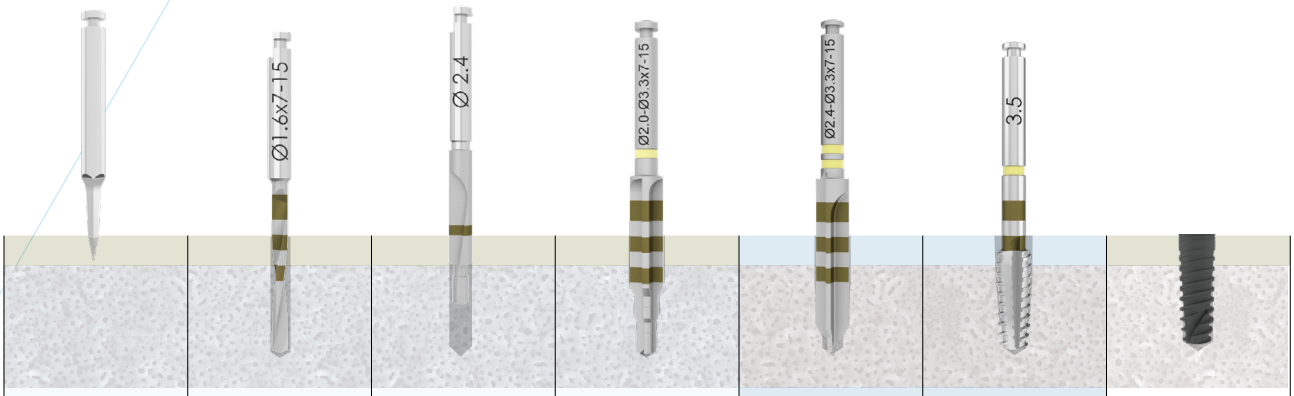
Avinent drilling protocol

The Avinent surgical drilling protocol for the OCEAN system is suitable for all bone types. The system includes drill bits with an external shape featuring three diameters and straight cut to match the design of the implant. The matt finish of the drills makes it easier to locate the marks that indicate length during surgery. The biological drilling at low revolutions (between 50 and 100rpm), allows to collect autologous bone as shown in the scientific literature.

* Hard bone drills are identified with two color indicators.

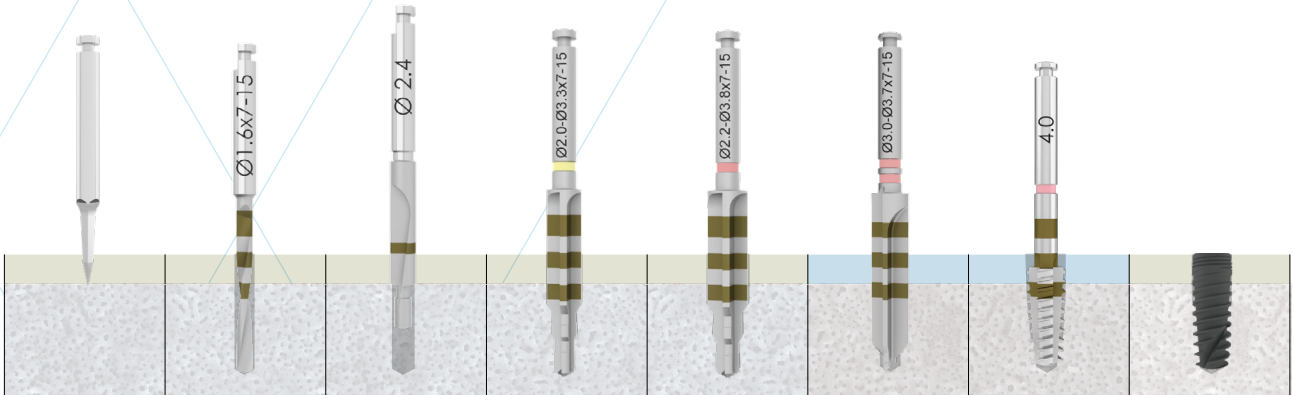
Due to the fact that the surface treatment of the Avinent implant extends to the level of the platform, it is advisable to leave the implant at juxta-bone level. It must be remembered that the 0.3 mm of the polished part of the inverted platform of the implant remain at supracrestal level.

Implant ø 3,5 mm



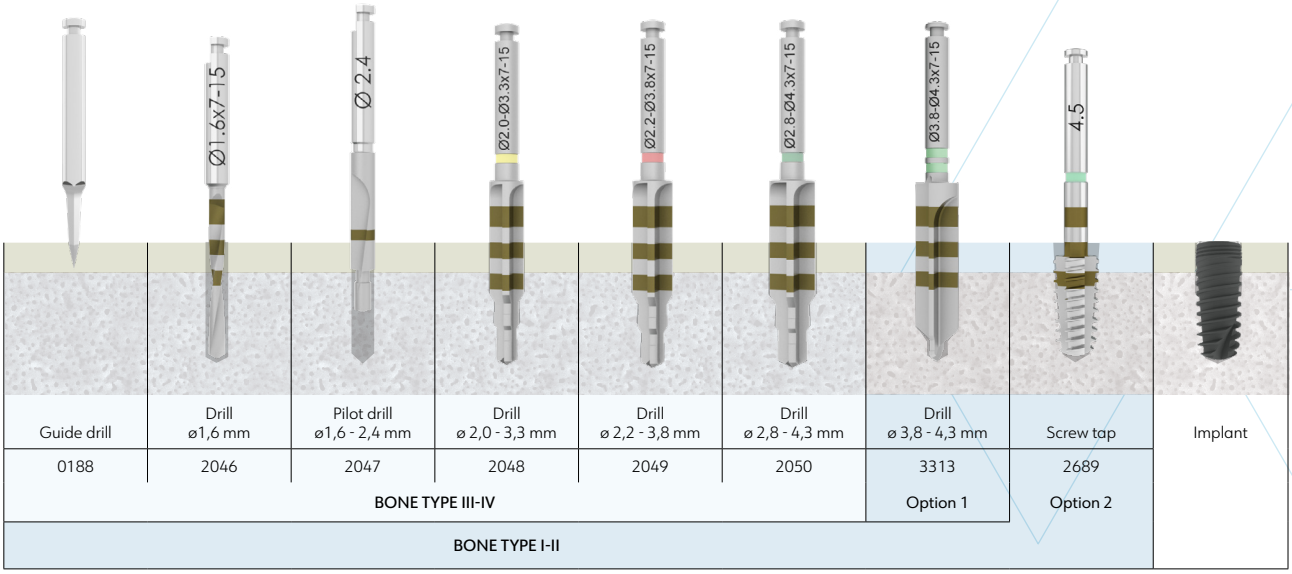
	Guide drill	Drill ø1,6 mm	Pilot drill ø1,6 - 2,4 mm	Drill ø 2,0 - 3,3 mm	Drill ø 2,4 - 3,3 mm	Screw tap	Implant
Ref.	0188	2046	2047	2048	3311	2687	
	BONE TYPE III-IV				Option 1	Option 2	
	BONE TYPE I-II						

Implant ø 4,0 mm



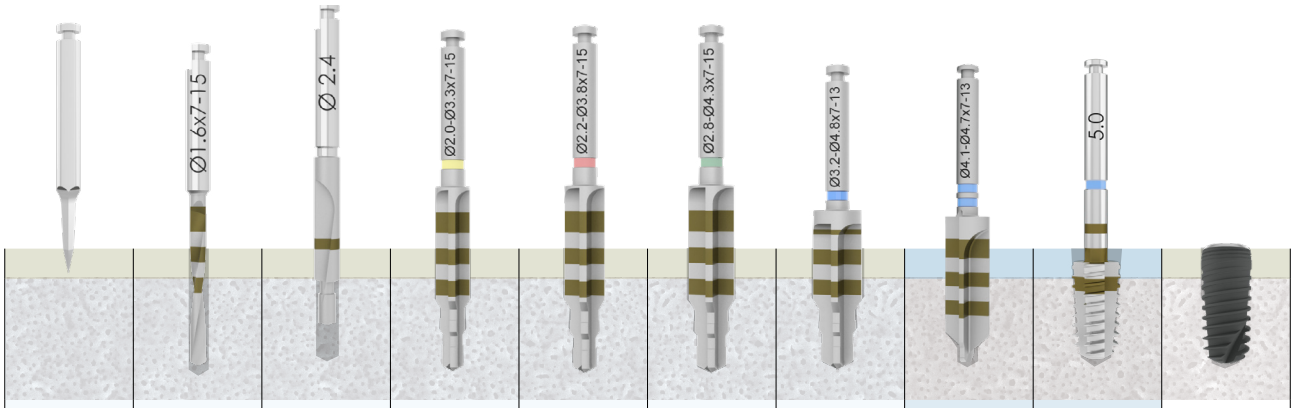
	Guide drill	Drill ø1,6 mm	Pilot drill ø1,6 - 2,4 mm	Drill ø 2,0 - 3,3 mm	Drill ø 2,2 - 3,8 mm	Drill ø 3,0 - 3,7 mm	Screw tap	Implant
Ref.	0188	2046	2047	2048	2049	3312	2688	
	BONE TYPE III-IV					Option 1	Option 2	
	BONE TYPE I-II							

Implant ø 4,5 mm



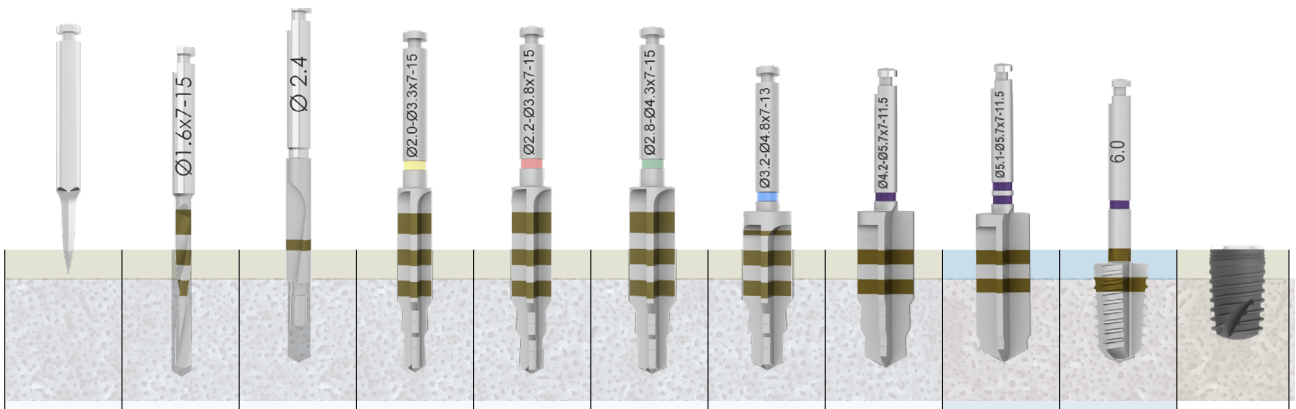
	Guide drill	Drill ø1,6 mm	Pilot drill ø1,6 - 2,4 mm	Drill ø 2,0 - 3,3 mm	Drill ø 2,2 - 3,8 mm	Drill ø 2,8 - 4,3 mm	Drill ø 3,8 - 4,3 mm	Screw tap	Implant
Ref.	0188	2046	2047	2048	2049	2050	3313	2689	
	BONE TYPE III-IV						Option 1	Option 2	
	BONE TYPE I-II								

Implant ø 5,0 mm



	Guide drill	Drill ø1,6 mm	Pilot drill ø1,6 - 2,4 mm	Drill ø 2,0 - 3,3 mm	Drill ø 2,2 - 3,8 mm	Drill ø 2,8 - 4,3 mm	Drill ø 3,2 - 4,8 mm	Drill ø 4,1 - 4,7 mm	Screw tap	Implant
Ref.	0188	2046	2047	2048	2049	2050	2051	3314	2690	
	BONE TYPE III-IV							Option 1	Option 2	
	BONE TYPE I-II									

Implant ø 6,0 mm



	Guide drill	Drill ø1,6 mm	Pilot drill ø1,6 - 2,4 mm	Drill ø 2,0 - 3,3 mm	Drill ø 2,2 - 3,8 mm	Drill ø 2,8 - 4,3 mm	Drill ø 3,2 - 4,8 mm	Drill ø 4,2 - 5,7 mm	Drill ø 5,1 - 5,7 mm	Screw tap	Implant
Ref.	0188	2046	2047	2048	2049	2050	2051	3966	3960	3963	
	BONE TYPE III-IV								Option 1	Option 2	
	BONE TYPE I-II										