

Drill-bit length and marking

Avinent drills carry laser markings to improve visibility during osteotomy and follow a point code according to the drilling sequence. 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 1,3 mm	0,35 mm
ø 1,6 mm	0,35 mm
ø 2,0 mm	0,50 mm
ø 2,4 mm	0,50 mm

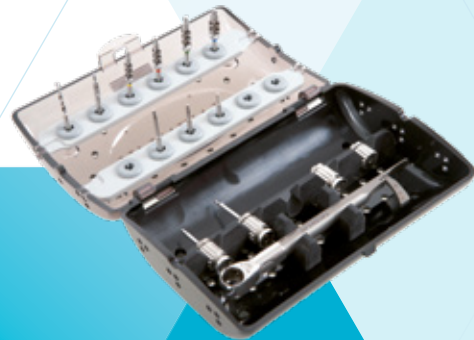
Advisable torque

TYPE	VALUE	
Mechanical	35 Ncm	Screw for single abutment*
	15 Ncm	Temporary Abutment Ti / PEEK
	25 Ncm	RHEIN83° Abutment (OT Equator)
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.

Instruments and surgical kit

Avinent provides specialists with high precision instruments whose design is adapted to the implant. Avinent's smaller and more versatile compact kit allows you to select a specific sequence and take everything required for the surgical procedure with you in a small container. The kit is sterilizable and can hold all the items needed for inserting prostheses.



Drilling speed

	rpm
Drill ø 1,3 mm	800 - 1.200
Drill ø 1,6 mm	200 - 400 *
Drill ø 2,0 mm	200 - 400 *
Drill ø 2,4 mm	200 - 400

* Important note: A drilling speed of 800 - 1.200 rpm is recommended when using 1,6 mm and 2,0 mm drill bits for initial drilling.

Maximum recommended torque for implant insertion: 45 Ncm

Recommended torque to achieve a good primary stability: 30-35 Ncm

Maximum recommended speed for implant insertion: 20 rpm

Tissue punch

The Avinent tool that can make a circular cut of soft tissue. The markings it carries help to identify which Rhein abutment needs to be placed according to gum thickness.



Mark 1*, 2* and 3 mm:
suitable for 0,8 mm attachment

Mark 4 mm:
suitable for 1,8 mm attachment

Mark 5 mm:
suitable for 2,8 mm attachment

* Marks 1 and 2 mm will leave the implant exposed.

Avinent drilling protocol

The PEARL system surgical drilling protocol makes for easy, intuitive and streamlined placement in order to prioritize soft tissue and emergency profile preservation for excellent, practical results.

Avinent PEARL is suitable for all bone types. The diameter of the system's helical drill bits is related to the implant core to be inserted, so it is advisable to follow the system's own drilling and instrument sequence. The finish of the drills makes it easier to locate the length indicator marks during surgery.

