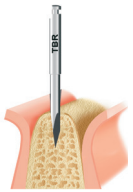
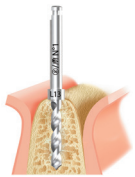
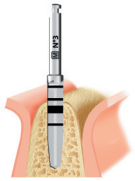
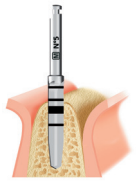
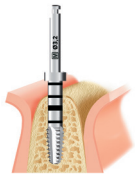
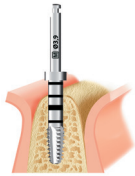
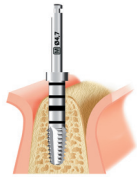
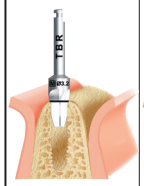
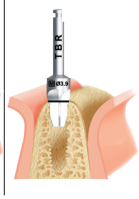
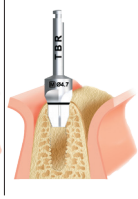
SURGICAL PROTOCOL

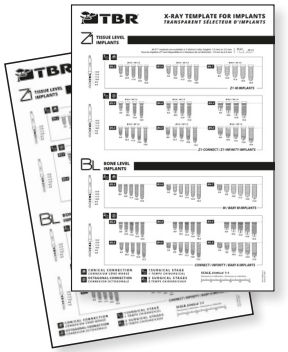
Implant Z1-M

SURGICAL SEQUENCE: Preset the implantology motor** to an insertion torque not exceeding 45 N.cm to prevent any damage to the implant. All TBR® drills must be used under irrigation.

	PILOT DRILL	STOP DRILL N°1	DRILL N°2	DRILL N°3	DRILL N°4	DRILL N°5	SCREW TAP Ø3,2	SCREW TAP Ø3,9	SCREW TAP Ø4,7	COUTERSINK Ø3,2	COUTERSINK Ø3,9	COUTERSINK Ø4,7
REF.	A-FPT310	A-FBXxxx *(depending on implant length)*	A-FMX200	A-FMX300	A-FMX400	A-FMX500	A-TAR304	A-TAR404	A-TAR504	A-ALE300	A-ALE400	A-ALE500
RPM*	1200	1200	1000	800	600	500	15	15	15	500 to 600	500 to 600	500 to 600
Ø3,2	●	○	●	●			●		●			
Ø3,9	●	●	●	●	●			●			●	
Ø4,7	●	●	●	●	●	●			●			●
												
	Trephine the cortical bone with the pilot drill to facilitate the penetration of the first drill **(1200 rpm)***.	Use the stop drill n°1 fitted to the length of the implant **(1200 rpm)***.	Use drill n°2 to the required length **(1000 rpm)***.	For the implants Ø3.2, Ø3.9 and Ø4.7: use the drill n°3 to the required length **(800 rpm)***.	For the implants Ø3.9 and Ø4.7: use the drill n°4 to the required length **(600 rpm)***.	For the implants Ø4.7: use the drill n°5 to the required length **(500 rpm)***.	Use the screw tap Ø3.2 for the implants Ø3.2 to the required length **(15 rpm)***.	Use the screw tap Ø3.9 for the implants Ø3.9 to the required length **(15 rpm)***.	Use the screw tap Ø4.7 for the implants Ø4.7 to the required length **(15 rpm)***.	Use the countersink corresponding to the diameter the zirconia collar. Ream the cortical bone up to the laser marking **(500 to 600 rpm)*.**		

**The rotation speeds indicated are for information only and depend on the bone quality.*

○ *Use of the drill depending on the length of the implant to be placed* ● *For Ø3.2 implants* ● *For Ø3.9 implants* ● *For Ø4.7 implants*



SCANORA AND X-RAY TEMPLATE:

Product code: A-TS600

The selection of the Z1-M implant is done using the radiological selector template.

It is imperative to maintain a safety margin of 2 mm from any anatomical obstacle or the available bone height, as well as the drill tip sizes, ranging from 0.6 mm for drill No. 1 to 1 mm for drill No. 5.

The space occupied by the transgingival collar must also be taken into account.



SURGICAL KIT:

Product code: A-TCP008

All the instruments needed to place the Z1-M Implants are available in the TBR surgical kit.

For more information, refer to the TBR® Implants user manual – Ref. C-NOT500 – available at ifu.tbr.dental.

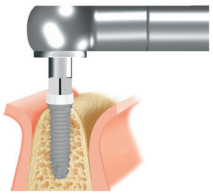
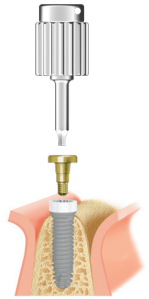
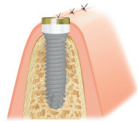
***Refer to the implantology motor manufacturer's manual.*

Version : 10/2026 - Ed. 01

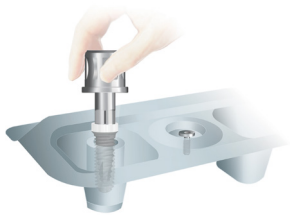
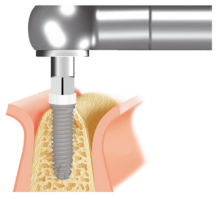
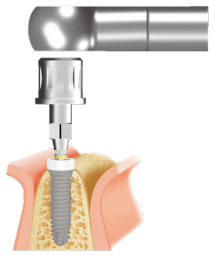
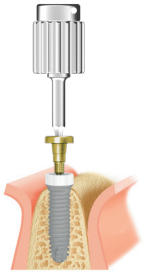
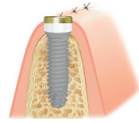
SURGICAL PROTOCOL

Implant Z1-M

PROTOCOLE CONTRE-ANGLE: Preset the implantology motor** to an insertion torque not exceeding 45 N.cm to prevent any damage to the implant.

	CONTRA-ANGLE SCREWTOOL				HEXAGONAL SCREWDRIVER	
REF.	A-MCA322 [long] - A-MCA222 [short]			A-MCC254 [long] - A-MCC159 [short]	A-CHL301[long] - A-CHC216 [short]	
RPM	N/A	15 to 20		Manual		
						
	Take the screwtool for contra-angle and clamp the implant inside its packaging. Maintain the contra-angle facing up while moving the implant to the surgical site	Screw the implant in the alveolar ridge until the implant is completely inserted. *NB : Index the implant connection using the visual mark on the screwtool. The laser marking indicates the position of an angle of the internal hexagon of the implant connection.*	Remove the contra-angle vertically as well as the contra-angle screwtool.	If ever the implant is not completely screwed , finish the insertion with the torque-ratchet wrench [GAN-469-1000203] and its screwtool.	Remove the cover screw from its packaging using the hexagonal screwdriver. Maintain the hexagonal screwdriver pointing up while transporting the screw to the surgical site. Seal the implant with the cover screw.	Suture the gum. Check radiologically that the implant is perfectly positioned in the bone.

TORQUE-RATCHET WRENCH PROTOCOL

	SCREWTOOL FOR TORQUE RATCHET WRENCH				HEXAGONAL SCREWDRIVER	
REF.	A-MCC254 [long] - A-MCC159 [short]				A-CHL301[long] - A-CHC216 [short]	
RPM	N/A	Manual				
						
	Take the screwtool and clamp the implant inside its packaging. Maintain the screwtool pointing up while transporting the implant to the surgical site.	Begin screwing the implant manually.	Finish screwing with the torque-ratchet wrench [GAN-469-1000203] . Screw the implant in the alveolar ridge until the implant is completely inserted. *NB : Index the implant connection using the visual mark on the screwtool. The laser marking indicates the position of an angle of the internal hexagon of the implant connection.*	Remove the torque-ratchet wrench [GAN-469-1000203] and pull the screwtool out vertically.	Remove the cover screw from its packaging. Maintain the screwdriver pointing up while transporting the screw to the surgical site. Seal the implant with the cover screw.	Suture the gum. Check radiologically that the implant is perfectly positioned in the bone.

***Refer to the implantology motor manufacturer's manual.*