ROOTT
open implant system

INSTRUCTION FOR IMPLANT REMOVAL

ROOT™ implant system has been thoroughly investigated, deeply clinically tested and has a big range of implant types, accessories and also, satisfied users.

Usually, a successful implantation depends on good surgical and prosthodontic planning. Especially using a 3D dental cone beam computed tomography planning and if it's possible producing an implant surgical guide. Also the presurgical patient prepratation plays an important role.

It is known that errors can occur. Dental implantation failure can happen for different reasons:

- Peri- implantitis;
- Bone resorption;
- When it's impossible to have proper prosthesis (poor placement).

Important: It is the physician's responsibility to evaluate the current level of osseointegration and apply the necessary system.

Every implantologist has a situation in which immediately after the implantation doctor notices wrong positioning or angulation of the implant. Sometimes it can be more serious like perforation of the buccal or lingual bone cortex or dental implant in very close contact with the content of the mandibular canal, or dental implant that perforates sinus floor and etc. In this situation it is easy to remove the implant by using the same hand instrument used for implantation but in a counterclockwise direction. In situations like this, explantation is not a very hard operation, because there is only implant primary stability which is mechanical.

Important: These recommended instruments can only be used for non-osseointegrated implants to be removed. It's the physician's responsibility to choose the right length of a removal tool.

REF	Description	
TW50	Torque wrench (10-50 Ncm)	
DW	Direct wrench	

ROOTFORM

IT	Insertion tool, short	
ITL	Insertion tool, long	

COMPRESSIVE, COMPRESSIVE S, BASAL, BASAL SS

ITES	Insertion tool, external platform, extra short	
ITE	Insertion tool, external platform, short	
ITEL	Insertion tool, external platform, long	
ITEXL	Insertion tool, external platform, extra long	

COMPRESSIVE M, COMPRESSIVE MP

ITM0	Insertion tool for multiunit, height 0 mm	
ITM10	Insertion tool for multiunit, height 10 mm	
ITM	Insertion tool for multiunit, short	
ITML	Insertion tool for multiunit, long	
ITMXL	Insertion tool for multiunit, extra long	

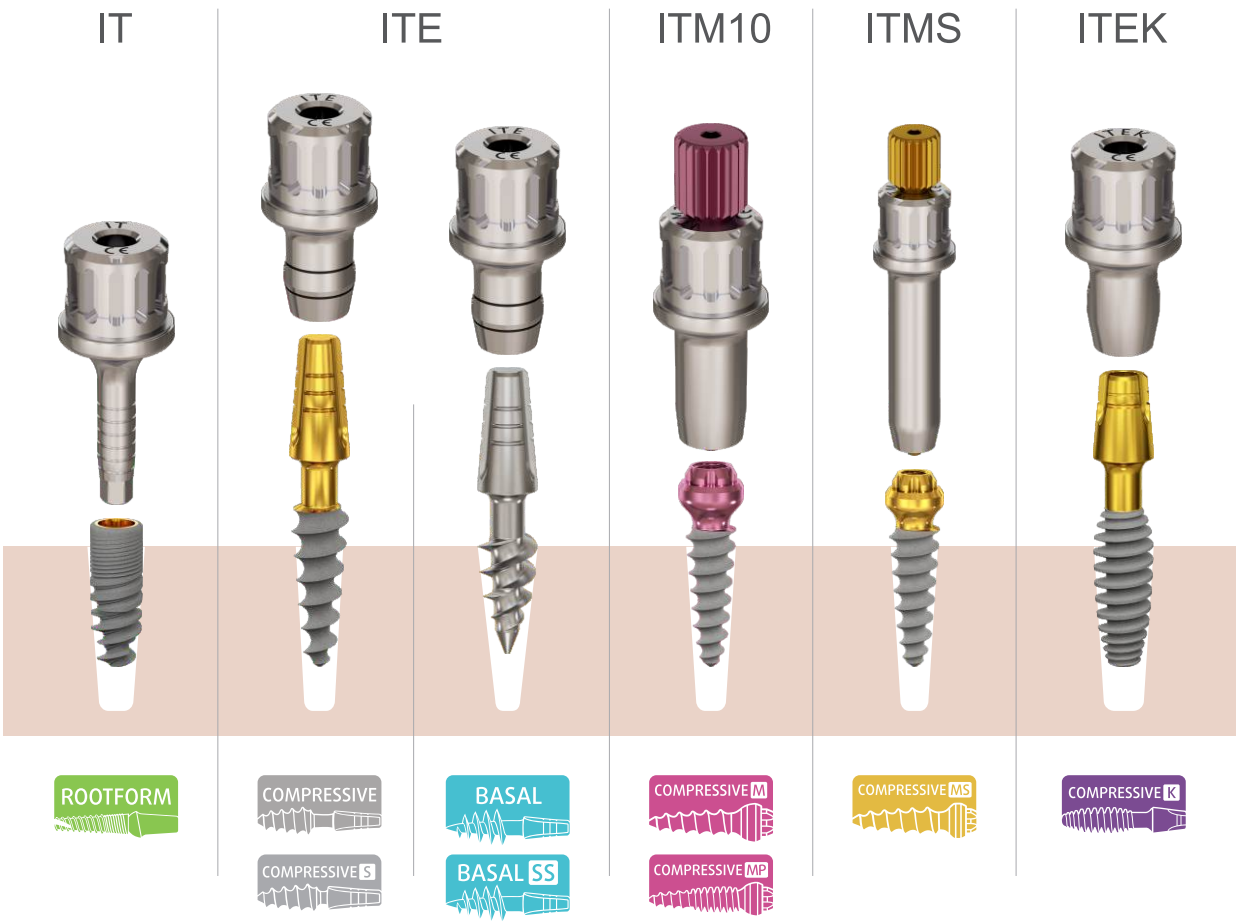
COMPRESSIVE MS

ITMS	Insertion tool for small multiunit, short	
ITMSL	Insertion tool for small multiunit, long	
ITMSXL	Insertion tool for small multiunit, extra long	

COMPRESSIVE K

ITEKS	Insertion tool, K platform, extra short	
ITEK	Insertion tool, K platform, short	
ITEKL	Insertion tool, K platform, long	
ITEKXL	Insertion tool, K platform, extra long	

Tools for implant removal



Removal steps for non-osseointegrated two-piece and one-piece implants

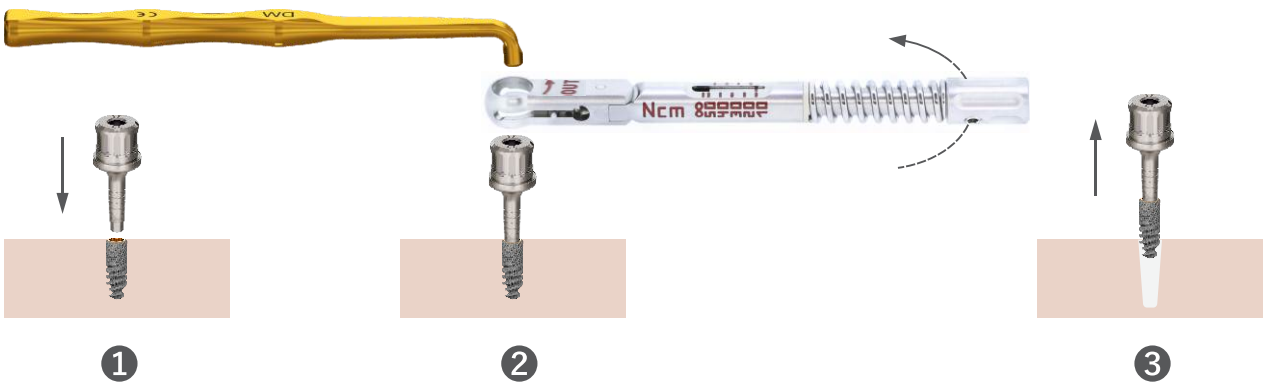
❶ Insert and lock the removal tool for a two- piece implant inside the implant, for one-piece implant - over implant.

❷ Use a torque wrench TW50 and a direct wrench (DW) (for stabilisation). Then slowly unscrew the implant by applying force 50 Ncm (it is not recommended to use more then 100 Ncm force) to the removal tool and turning it counterclockwise.

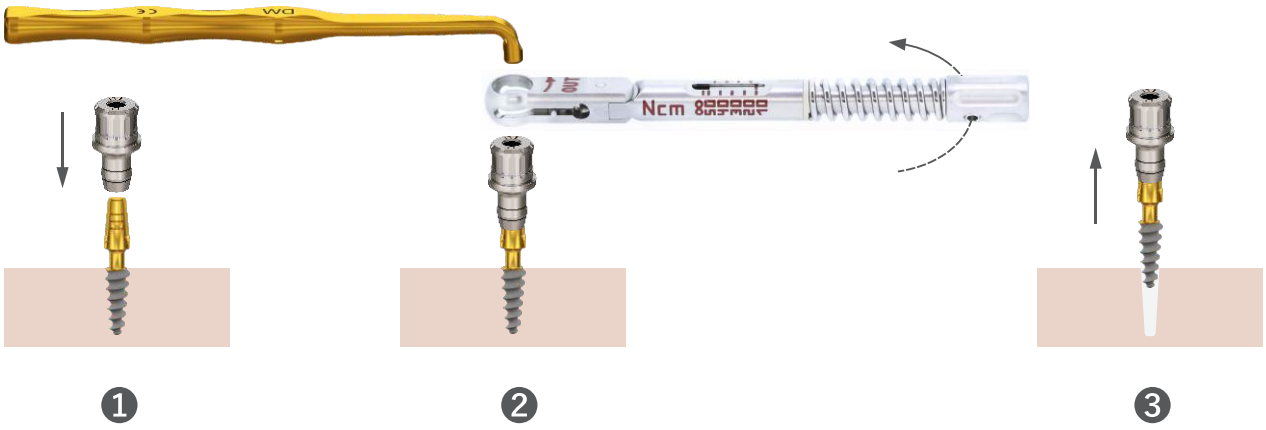
❸ Remove an implant with an insertion tool (pictures below).

ATTENTION! Removed implants must not be reused!

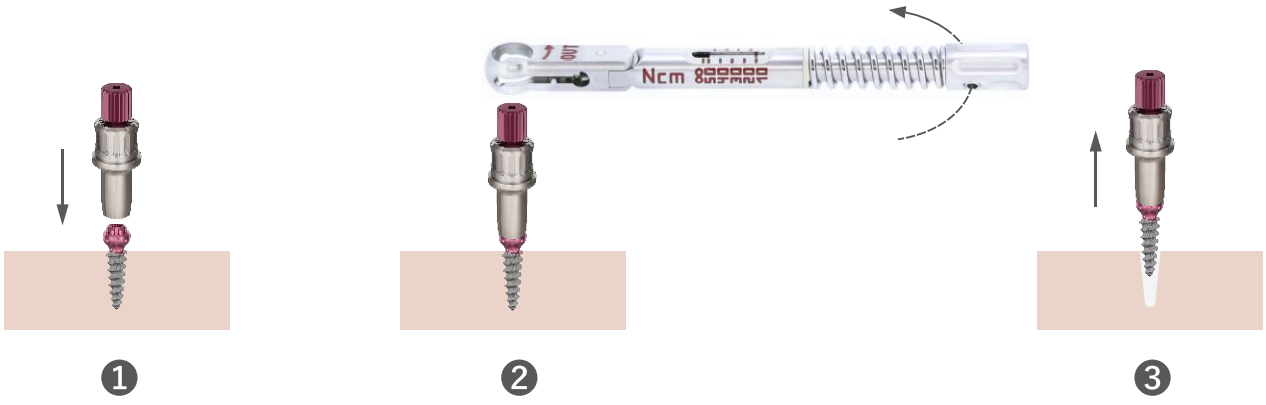
Two-piece implant removal



One-piece implant removal



One-piece implant removal with multi-unit platform



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