

Geistlich  
Select

# Screw System TX

## Bone Fixation

### At a Glance

- All-purpose screw system for simple and safe fixation of bone segments
- The Torx connection ensures secure screw hold at a especially high level of force transmission.
- The screw thread which goes up to the head allows sandwich or bone shell augmentation.



Made in  
Germany



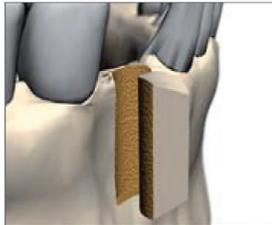
The osteosynthesis screws forming part of the Screw System TX sets are indicated for the universal fixation and mechanical stabilization of bone segments; for example, for the healing process in cases of vertical and horizontal augmentation grafts. The Torx connection guarantees reliable accommodation of the screws in the driving tool and, at the same time, high tensile forces can be transferred. For each 0.9 mm screw available, the kit contains a larger diameter rescue screw in case the transplant does not allow high tensile fixation. In addition to the screws that are in the Screw System TX, 13mm screw lengths are additionally available.



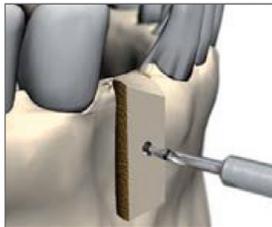
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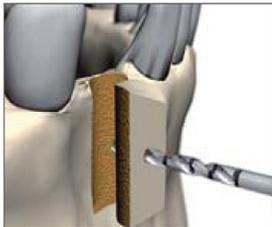
### Instructions



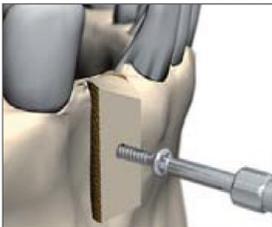
To optimize healing, the donor and recipient sites are prepared first with small dotted drillings (Bleeding Points). The bone transplant is adjusted to the bone site, which has been appropriately prepared, so that it will lie flat on the recipient bone.



The bone cylinder is drilled into by 0.9 mm using the twist drill (or 1.0 mm for rescue screws) and a drill hole is made up to the contralateral cortical bone of the recipient bone.



As a next step, only the bone cylinder is provided with a guiding hole, twist drill 1.1 mm (1.3 mm for rescue screw).



Using the screw driver, a screw of the right length is used and the bone transplant is attached to the recipient bone. During this process, the screw should be gently tightened until the bone cylinder has been tightly fixed into place.



Important: Attention must be paid to protecting anatomical structures (safety clearance at least 2 mm) as well as the gradient of the adjacent tooth or tooth roots (risk of damage, infection /dehiscences) Depending on the case at hand, a decision should be made after the healing period as to whether the screws have to be removed or left in position. NOTE: The screws are a disposable product and are therefore not to be used again.

## Instruments & Screws

	Twist drills for TCT09		Twist drills for TCT10		Allport	Screw driver
Fig.	203RF	203RF	TC203	A2001	HM141F	31053
Shank <sup>1</sup>	205	205	204	204	205	205
Size	009	011	010	013	023	
Length mm	9.0	9.0	12.0	12.0		

<sup>1</sup>204=RA, 205=RA L      <sup>2</sup>Largest working part diameter in 1/10 mm

Screws (7pcs. of each size in the set)

Fig.	TCT09*	TCT09*	TCT09*
Length mm	7.0	10.0	13.0**
	0.9	0.9	0.9
	1.1	1.1	1.1

Minimal diameter      \*\*These screws are available outside the system  
External diameter

Screws (3pcs. of each size in the set)

Fig.	TCT10*	TCT10*	TCT10*
Length mm	7.0	10.0	13.0**
	1.0	1.0	1.0
	1.3	1.3	1.3

Minimal diameter      \*\*These screws are available outside the system  
External diameter

#### Absolute Contraindications

- Dentoalveolar growth which has not come to an end (exception: Cases in which no dentoalveolar growth can be expected, e.g. ectodermal dysplasia)
- Active infections as well as pathological processes
- Cases in which the mechanical stability and the absence of mechanical movement of the transplant can not be achieved
- Insufficient bone supply (quality / quantity) and diseases that impair bone metabolism. NOTE: Related contraindications and further instructions that are deemed set-specific and generally valid can be found at the download area of our website at "Application and Safety Instructions for Bone Management® Systems".

#### General instructions

- All products delivered are unsterile, therefore, before initial and each further potential application, products should be treated (cleaning/disinfection/sterilization). Please follow general application and safety instructions for MEISINGER products in the medical area and also the advice for reprocessing (cleaning, disinfection and sterilisation) of medical devices from Hager & Meisinger GmbH.