



OrthoAnchor

Orthodontic implants



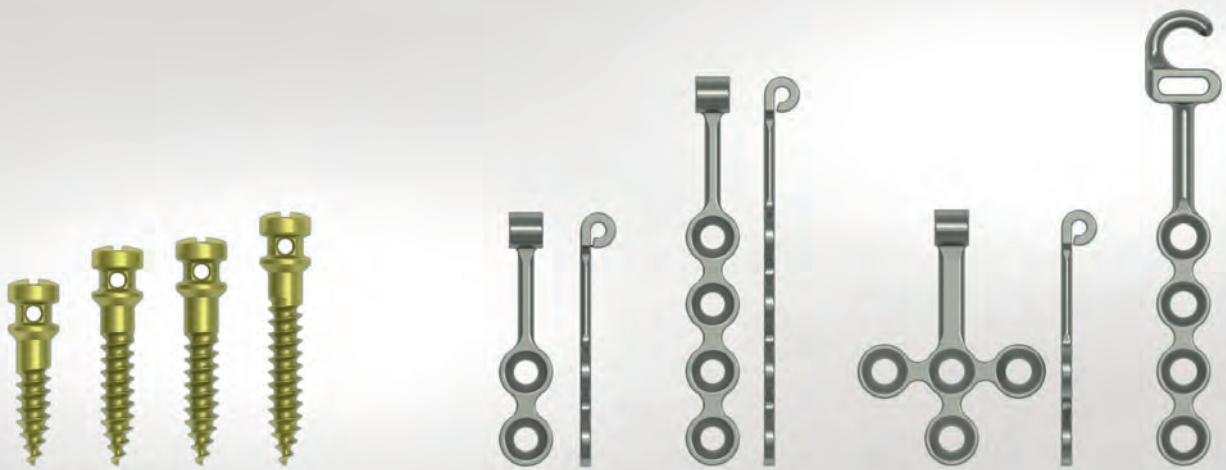
Oral and maxillofacial surgery is our passion! It is our policy to continue enhancing this field in collaboration with our customers. Day in, day out, we work to develop innovative products and services that satisfy the highest quality demands and contribute to the patient's well-being.

OrthoAnchor

In addition to esthetic problems, malocclusions of individual teeth or parts of the jaw primarily affect the patient's ability to bite, speak and chew. Dental hygiene may also be affected by such a malposition, and this in turn can lead to inflammation of the mucosa or even diseases such as caries or periodontitis. Traditional orthodontics has relied on vectors within the dental arch or external braces to restore occlusion to symmetry.

KLS Martin has been a pioneer in bone anchorage for many years and has since offered a comprehensive portfolio of options ranging from proven screw solutions to adaptable and highly stable plates.

Feature, Function and Benefit

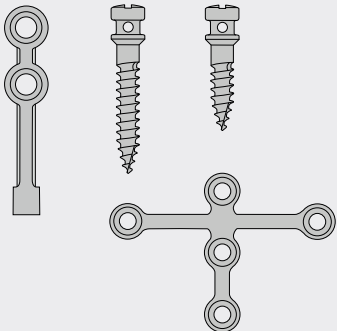
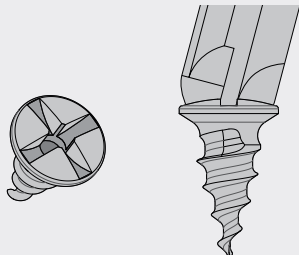
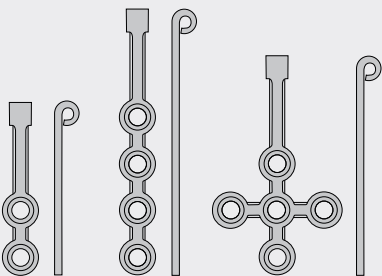
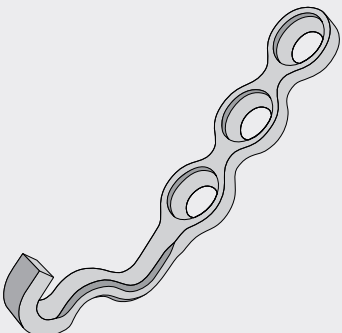


The OrthoAnchor system comprises three product categories to provide appropriate solutions for patient-specific anatomies. In addition to the individual OrthoAnchor screws, two types of plates which can be attached both laterally to the maxilla and palatally to the vestibulum are also available.

The OrthoAnchor system is used in applications where maximum stable anchorage is required. To this end, the plates and screws are placed in such a manner that the hook (working end) protrudes from the soft tissue and allows fixation of the wire/rubber connected to the actual tooth to the hook.

In addition to closing gaps more quickly, these devices can also be used to bridge greater distances. Furthermore, owing to firm fixation to the bone, the directional vectors remain identical throughout the entire procedure.

OrthoAnchor

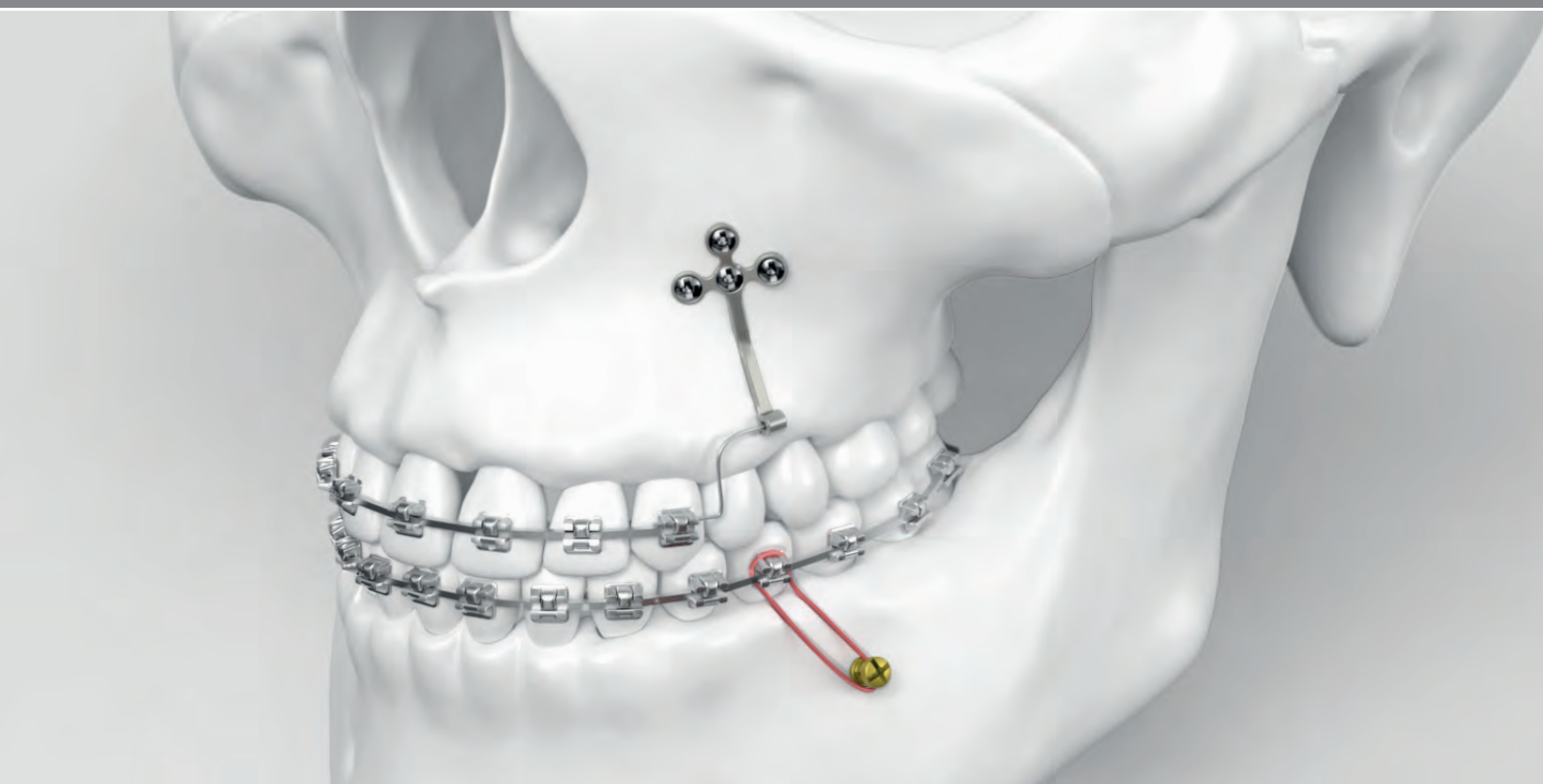
	Feature	Benefit
	<ul style="list-style-type: none"> ■ Small but complete portfolio 	<ul style="list-style-type: none"> ■ Includes various accessories and hooks ■ Comprises plates (incl. hook designs) and stand-alone OrthoAnchor screws ■ Inexpensive, fast and virtually atraumatic treatment under local anesthesia, as well as easy removal
	<ul style="list-style-type: none"> ■ Monocortical fixation 	<ul style="list-style-type: none"> ■ Drill-free screws can be used for fixation ■ No pre-drilling required ■ Shortens the duration of surgery
	<ul style="list-style-type: none"> ■ Various plate designs 	<ul style="list-style-type: none"> ■ Creates various options for plate fixation ■ Maintains normal dental hygiene
	<ul style="list-style-type: none"> ■ Anatomically pre-shaped 3D plate 	<ul style="list-style-type: none"> ■ The plate design protects the soft tissue ■ No damaging or tilting of teeth or tooth roots

Step by Step to Optimal Care

Fields of Use

The OrthoAnchor system can be used in cases where maximum stable anchorage is required. The OrthoAnchor system can only be used under conditions where retention in the cortex can be achieved.

- The C-palatal plate is designed for en masse retraction of the anterior teeth without loss of anchorage.
- The C-Tube plates are designed for en masse retraction of the anterior teeth of the maxilla or mandible, placed bilaterally.



Surgical Techniques

OrthoAnchor orthodontic plate

Lateral C-plate

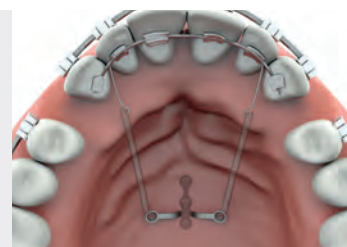
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OrthoAnchor orthodontic plate

Palatal C-plate

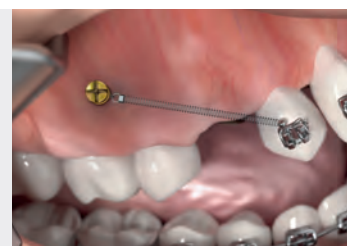
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OrthoAnchor orthodontic screws

OrthoAnchor screw

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Option 1 (lateral C-plate)

After a vestibular incision, the periosteum is lifted locally.



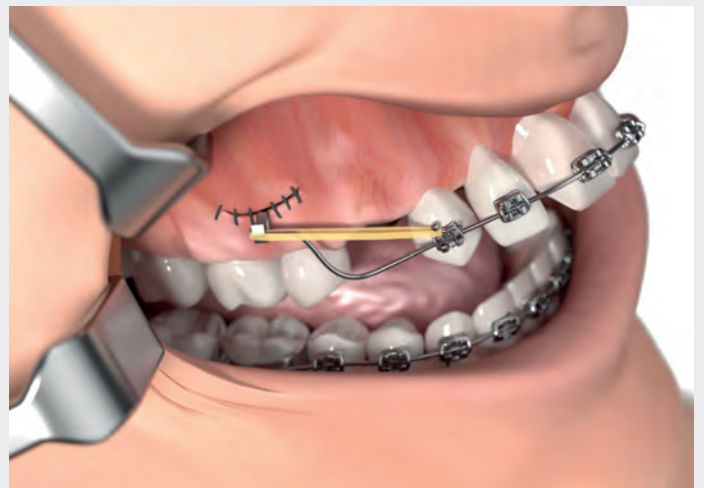
Fixation of the plate

The plate is fixed with Drill-free screws Ø 1.5 mm.



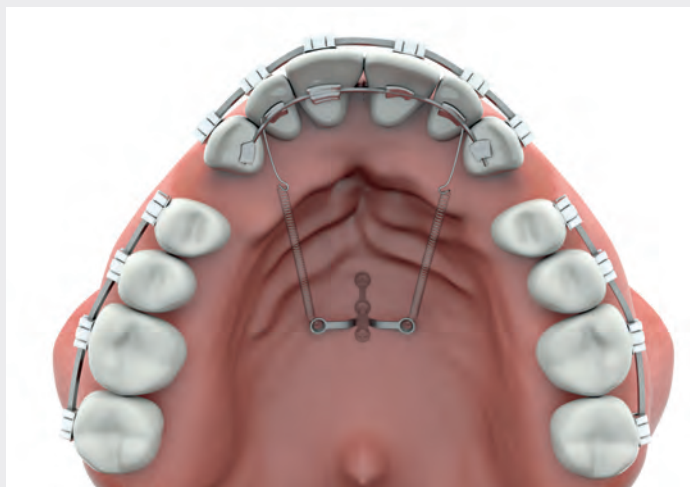
Suture/closure of the mucosa

The hook (work end) of the plate remains visible in the vestibulum.



Connection to bracket

The work end, for example, serves as anchoring point for the rubber bands.



Option 2 (palatal C-plate)

Similar to option 1, the palatal C-plate is accessed through a sagittal incision on the vestibulum. The plate is also screw-retained in the three medial screw holes using Drill-free screws Ø 1.5 mm.

The two lateral holes must not be screw-retained. They remain in the oral vestibule and serve as anchor points.

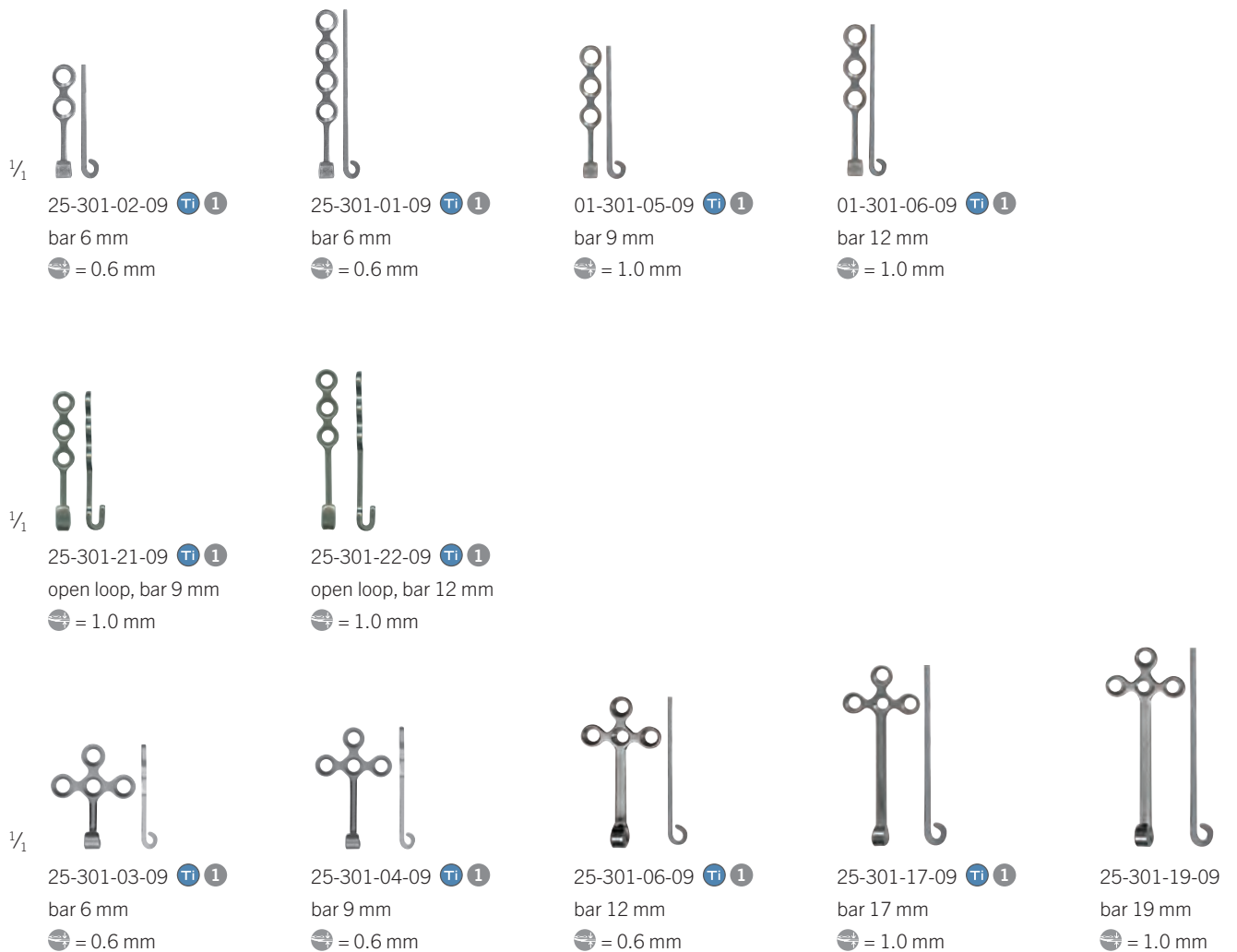


Option 3 (OrthoAnchor screws)

Depending on the anatomy, the selected OrthoAnchor screws Ø 1.5 mm or Ø 2.0 mm are screw-retained transmucosally using the corresponding screwdriver. Pre-drilling is not necessary due to the self-tapping design of the screw.

The screw must be screwed in completely so that only the soft tissue collar remains visible intraorally.

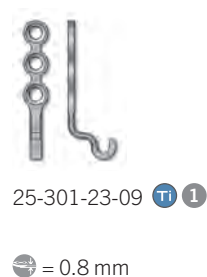
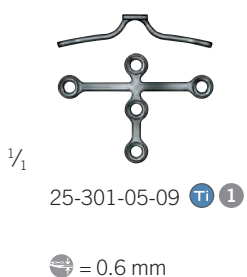
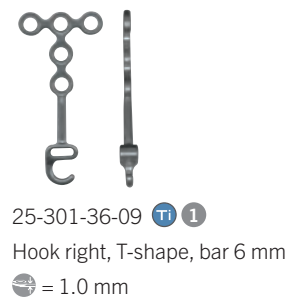
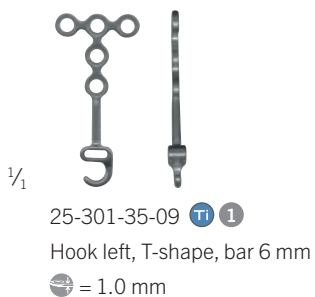
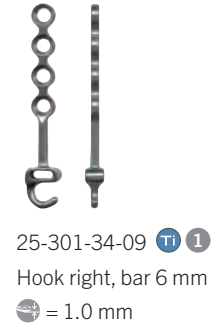
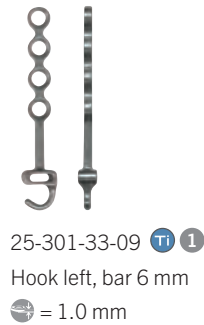
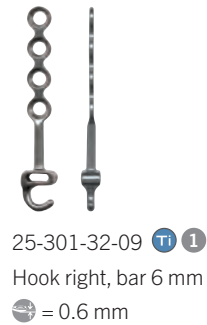
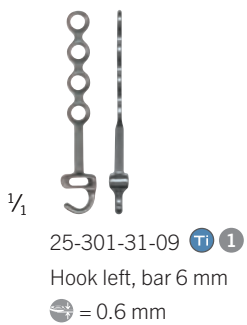
OrthoAnchor Plates



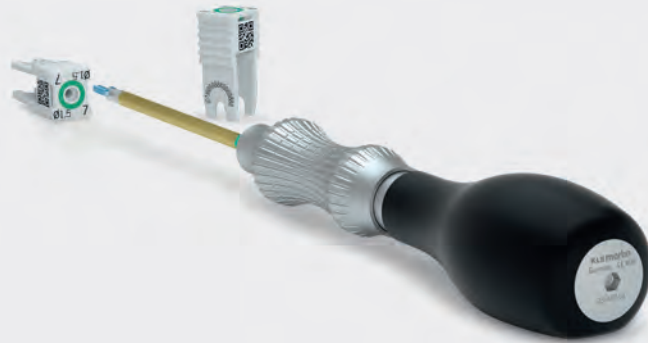


Explanation of icons






-  Titanium
-  Plate profile
-  Packaging unit








OrthoAnchor Screws










OrthoAnchor screws

1.5 mm "soft tissue collar"  1 		
	Ø x length 	maxDrive®
	1.5 x 6 mm	50-334-08-61
	1.5 x 8 mm	50-334-10-61
	1.5 x 10 mm	50-334-11-61
	Ø x length 	maxDrive®
	2.0 x 6 mm	50-335-11-61
	2.0 x 8 mm	50-335-13-61
	2.0 x 10 mm	50-335-15-61

2.0 mm "soft tissue collar"  1 		
	Ø x length 	maxDrive®
	1.5 x 8 mm	50-334-12-61
	Ø x length 	maxDrive®
	2.0 x 8 mm	50-335-14-61

maxDrive® screws for OrthoAnchor plates

Drill-free screws 1.5 mm self-retaining, self-drilling   				
	Ø x L (mm)	Non-sterile 	STERILE [R] 	STERILE [R] 
	1.5 x 3.5 mm	25-878-03-61	25-878-03-71	25-878-03-75
	1.5 x 4 mm	25-878-04-61	25-878-04-71	25-878-04-75
	1.5 x 5 mm	25-878-05-61	25-878-05-71	25-878-05-75
	1.5 x 6 mm	25-878-06-61	25-878-06-71	25-878-06-75
	1.5 x 7 mm	25-878-07-61	25-878-07-71	25-878-07-75



Explanation of icons

- Titanium alloy
- maxDrive®
- Screw diameter 1.5 mm
- Screw diameter 2.0 mm
- J-notch attachment
- Dental attachment
- Packaging unit

STERILE R Sterile packaged implants

Screwdrivers and blades

Screwdrivers and blades



Blades to fit 25-402-99-07*



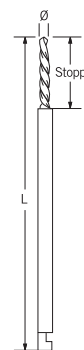
Drill-free screws	Blade length
25-489-97-07 1.5 mm	80 mm
25-491-97-07 2.0/2.3 mm	80 mm



OrthoAnchor screws	Blade length
25-489-97-07 1.5 mm	80 mm
25-491-97-07 2.0/2.3 mm	80 mm

Twist drills

Twist drills



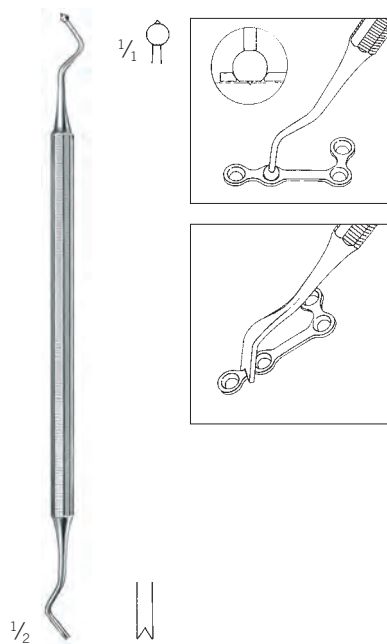
J-notch attachment St			
Ø x L (mm)	Stop (mm)		
1.1 x 50 mm	5	25-452-05-91	
1.1 x 50 mm	7	25-452-07-91	

Dental attachment St			
Ø x L (mm)	Stop (mm)		
1.1 x 30 mm	17	50-920-00-07	
1.1 x 20 mm	7	50-920-07-07	

* For storage in the LevelOne® modules

OrthoAnchor Instruments and Storage

Optional



Lindorf
25-435-15-07
18 cm / 6 1/4"
Plate-holding instrument

St 1



25-486-13-07
13 cm / 5"
Modeling pliers

St 1 TC GOLD



50-990-00-07
Angulus 2 angled screwdriver complete,
with hand drive and screw holding
device

St Sic 1



For more information on
the Angulus 2 angled
screwdriver, please refer
to the separately
available brochure

Explanation of icons

- St Steel
- Sic Silicone
- 1 Packaging unit

TC GOLD Carbide

Office Fixation Kit

55-961-28-04	Storage module complete, without content, consisting of:
55-962-07-04	Insert module
55-964-53-04	Insert 1
55-964-54-04	Insert 2
55-963-44-04	Lid



55-961-28-04

Office Fixation Kit, storage module complete,
without content

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