



In-Kone® TECHNICAL SHEET

Chapter 4: Single prosthesis

Section 4: In-Kone® ST Dynamic TiBase ASC



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This document is intended for dental surgeons and dental laboratories. It describes the step-by-step procedure for a single-unit restoration using an implant from the In-Kone® ST series with an axis-correcting base.

INDICATIONS & CONTRAINDICATIONS FOR TIBASE WITH ANGLED SCREW CHANNEL

This base is suitable for single anterior restorations requiring correction of an angled axis. Do not use non-engaging versions for direct implant bridges.

With a 4 mm diameter, the appropriate positions are the **premaxillary** (teeth 5 – 5) and symphyseal regions. Other positions are contraindicated. The titanium base is **specific** and allows for the three-dimensional reorientation of the screw access channel relative to the implant axis within a **maximum angle of 20° to 40°, depending on the configuration** (see figures given in the characteristics). It is a prosthetic optimisation tool.

Complications may occur in cases of misuse or failure to comply with usage guidelines.

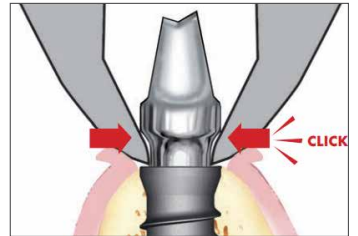
PRECAUTIONS FOR USE + EXTRACTION

GENERAL INFORMATION

- Use the Dynamic contra-angle screwdriver with the appropriate adapter. A screw holder is available to facilitate the insertion of non-captive screws in the mouth.
- Using an angled screw channel will prevent use of the abutment extractor during removal; dental forceps will then be used when removing the crown.
- Try the device **without tightening it**.
- Conventional and digital Global D copings and analogues are to be used for the impression.

IN THE DENTAL PRACTICE

- The tightening torque for the final prosthesis is **25 N.cm**.
- Before tightening to the correct torque, ensure the screwdriver is correctly engaged in the screw to prevent damage to the screw head.
- To make it easier to remove the screw-retained crown, loosen the screw and ensure that it is no longer engaged in the custom abutment, then preferably use dental forceps as shown in the image.



Please contact Global D if you are having any issues.

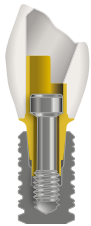
- **Adjust the screw tightness accordingly if immediate cosmetic adjustments are required.**

IN THE LABORATORY

- Use a different screw than the one normally used.
- Indirect bonding in the laboratory; if a **captive screw** is used, remember to insert it into the TiBase before bonding the crown.
- A specific library supplement is available upon request, along with its associated quick start guide.
- Cleaning and sterilisation recommendations are in line with current guidelines for prostheses from dental prosthesis laboratories.

CHARACTERISTICS:

- **1ST SOLUTION: WITH A CAVITY ALLOWING THE SCREW TO PASS THROUGH**

Maximum angle	40°	25°	STANDARD SYSTEM
			
Periodontal height (GH)	1 mm	2 mm	
Ref. Engaging TiBase	31.310.152.01-2	31.310.152.02-2	
Ref. Non-engaging TiBase	31.320.152.01-2	31.320.152.02-2	
Ref. Screw*	41.318.077.02-2	41.318.077.02-2	

* delivered individually packaged with the TiBase

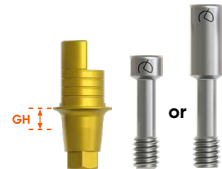
● **2ND SOLUTION: WITH THE CAPTIVE SCREW**

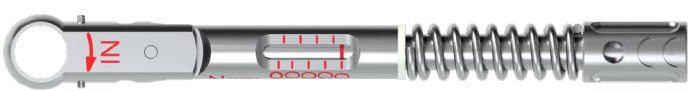
Maximum angle	25°	20°	25°	25°	CAPTIVE SCREW (CS) SYSTEM
 Screw to be inserted into the base before bonding					 Standard dynamic screw Ref. 41.318.077.02-2 Long dynamic screw Ref. 41.318.111.01-2
Periodontal height (GH)	1 mm	2 mm	3 mm	4 mm	
Ref. Engaging TiBase	31.310.152.01-2	31.310.152.02-2	31.310.152.03-2	31.310.152.04-2	
Ref. Non-engaging TiBase	31.320.152.01-2	31.320.152.02-2	31.320.152.03-2	31.320.152.04-2	
Ref. Screw*	41.318.077.02-2	41.318.077.02-2	41.318.111.01-2	41.318.111.01-2	

* delivered individually packaged with the TiBase

Solution with a screw passage reduced to Ø2 mm, resulting in a cavity reduction of up to 32% <=> Increased prosthesis volume

LIST OF REFERENCES & REQUIRED EQUIPMENT (GH: PERIODONTAL HEIGHT)**

RANGE	Periodontal height (GH)	Item Reference	Trade Name (EN)	Ref. screw to be supplied with the TiBase
 engaging 	1	31.310.152.01-2	Engaging Dynamic TiBase XNP G1 Comp.0152	41.318.077.02-2
	2	31.310.152.02-2	Engaging Dynamic TiBase XNP G2 Comp.0152	41.318.077.02-2
	3	31.310.152.03-2	Engaging Dynamic TiBase XNP G3 Comp.0152	41.318.111.01-2
	4	31.310.152.04-2	Engaging Dynamic TiBase XNP G4 Comp.0152	41.318.111.01-2
 non-engaging 	1	31.320.152.01-2	Non-engaging Dynamic TiBase XNP G1 Comp.0152	41.318.077.02-2
	2	31.320.152.02-2	Non-engaging Dynamic TiBase XNP G2 Comp.0152	41.318.077.02-2
	3	31.320.152.03-2	Non-engaging Dynamic TiBase XNP G3 Comp.0152	41.318.111.01-2
	4	31.320.152.04-2	Non-engaging Dynamic TiBase XNP G4 Comp.0152	41.318.111.01-2
		41.318.077.02-2	Dynamic screw M1.8 L7.7 mm 25 N.cm	
		41.318.111.01-2	Dynamic screw M1.8 L11.1 mm 25 N.cm	
  		43.618.201.01-2	Dynamic screwdriver L18 mm 30°	
		43.624.201.01-2	Dynamic screwdriver L24 mm 30°	
		43.632.201.01-2	Dynamic screwdriver L32 mm 30°	
		49.413.000.01-2	Dynamic screw transfer L22 mm	

Accessories for manually tightening to a torque of 25 N.cm	DEMA-4 manual adapter	
	DCDYN-2 torque wrench*	

*The DCDYN-2 torque wrench is a class I medical device manufactured by **Josef Ganter Feinmechanik GmbH**.

** CE-marked medical device manufactured by Talladium España S.L. Please read the **manufacturer's** instructions before use.

The instruction manuals are available in the cloud. A QR code and URL link are included on the device label. Paper instructions are nevertheless available upon request, at no additional fee, within 7 days. Send your request to: quality@globald.com