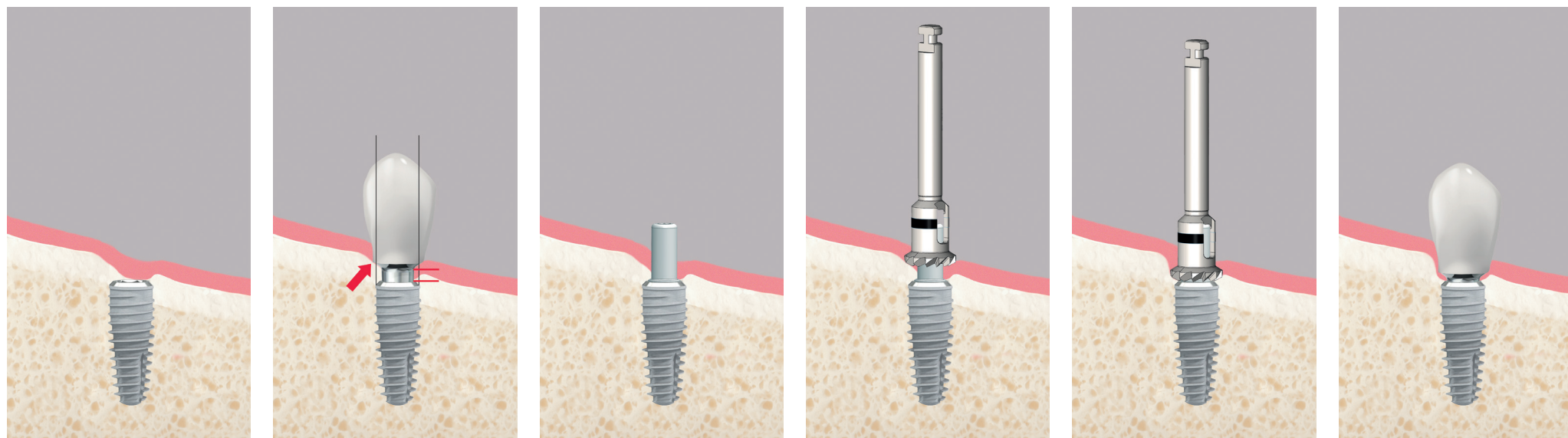


SIC Bone Profiler Application Guide



Anatomical shape and quality of the bone may require a subcrestal position of the implant shoulder in some areas. In such cases, components of the prosthetic restoration (with a wider emergence profile than the drill and implant diameter) cannot be set into the end position without interference. In such cases, the disturbing bone in the respective areas can be selectively re-contoured with the SIC Bone Profilers.



Example: uneven bone, parts of the implant shoulder lie subcrestal.

The widening emergence profile (e.g. of the temporary crown) causes early contact with the bone and makes selective bone re-contouring in this area necessary.

The appropriate SIC Guide Pin is first screwed hand-tight into the implant (see table overleaf for selection).

Intermittently and with sufficient cooling, the excess bone is milled away with the corresponding SIC Bone Profiler over the Guide Pin (selection see table overleaf). (max. 800 rpm, with cooling).

The stop of the SIC Bone Profiler on the SIC Guide Pin - haptically perceptible and visually recognizable through the window in the Bone Profiler - indicates that the target depth has been reached and prevents damage to the implant.







After the SIC Guide Pin has been removed, the crown or other SIC Prosthetic Components can usually be placed without problems*.





* Note: If the emergence profile of the crown widens quickly, you can use the same SIC Guide Pin to insert the next larger SIC Bone Profiler(s) until the desired dimension has been reached.

Article-Overview and Compatibility									
Implant-Abutment Interface		Guide Pin			Bone Profiler				
SIC Hex, all		GP _H		bright	937245	Ø 4.0	Ø 4.5	Ø 5.0	Ø 6.0
SICvantage, grey		GP _{V1}		grey	937246				
SICvantage, blue		GP _{V2}		blue	937247				
SICvantage, red		GP _{V3}		red	937248	937240	937241	937242	937243



SIC Bone Profiler Selection Table

Implant		use with:	SIC CAD CAM Bases			SIC CAD CAM Bases CEREC-Type			SIC Standard Abutments		
SIC Implant Type	Implant Ø (mm)	SIC connection	SIC CAD CAM Bases			SIC CAD CAM Bases CEREC-Type			SIC Standard Abutments		
			3.5	4.5		4.1	4.5		4.4	5.4	
 SICace	3.4	 3.3	GP _H + BP Ø 4.0	-		GP _H + BP Ø 4.5	-		GP _H + BP Ø 5.0	-	
	4.0		GP _H + BP Ø 4.5	-		GP _H + BP Ø 4.5	-		GP _H + BP Ø 5.0	-	
	4.5	 4.2	-	GP _H + BP Ø 5.0		-	GP _H + BP Ø 5.0		-	GP _H + BP Ø 6.0	
	5.0		-	GP _H + BP Ø 6.0		-	GP _H + BP Ø 6.0		-	GP _H + BP Ø 6.0	
 SICmax u. SICtapered	3.7	 3.3	GP _H + BP Ø 4.0	-		GP _H + BP Ø 4.5	-		GP _H + BP Ø 5.0	-	
	4.2		GP _H + BP Ø 4.5	-		GP _H + BP Ø 4.5	-		GP _H + BP Ø 5.0	-	
	4.7	 4.2	-	GP _H + BP Ø 5.0		-	GP _H + BP Ø 5.0		-	GP _H + BP Ø 6.0	
	5.2		-	GP _H + BP Ø 6.0		-	GP _H + BP Ø 6.0		-	GP _H + BP Ø 6.0	

Implant		use with:	SIC CAD CAM Bases			SIC CAD CAM Bases CEREC-Type			SIC Standard Abutments		
SIC Implant Type	Implant Ø (mm)	SIC connection	SIC CAD CAM Bases			SIC CAD CAM Bases CEREC-Type			SIC Standard Abutments		
			3.3	3.6	4.0	4.1	4.1	4.5	3.8	4.4	5.4
 SICvantage max u. tapered	3.0	 2.2	GP _{V1} + BP Ø 4.0	-	-	GP _{V1} + BP Ø 4.5	-	-	GP _{V1} + BP Ø 4.5	-	-
	3.7	 2.5	-	GP _{V2} + BP Ø 4.0	-	-	GP _{V2} + BP Ø 4.5	-	-	GP _{V2} + BP Ø 5.0	-
	4.2	 2.9	-	-	GP _{V3} + BP Ø 4.5	-	-	GP _{V3} + BP Ø 5.0	-	-	GP _{V3} + BP Ø 6.0
	4.7		-	-	GP _{V3} + BP Ø 5.0	-	-	GP _{V3} + BP Ø 5.0	-	-	GP _{V3} + BP Ø 6.0
	5.2		-	-	GP _{V3} + BP Ø 6.0	-	-	GP _{V3} + BP Ø 6.0	-	-	GP _{V3} + BP Ø 6.0

The above SIC Bone Profiler recommendations refer to the standard combinations of implant and abutment and always indicate the least invasive diameter. In isolated situations, such as rapidly widening emergence profile of the crown, you can use the same SIC Guide Pin to insert the next larger SIC Bone Profiler(s) until the desired dimension has been reached.