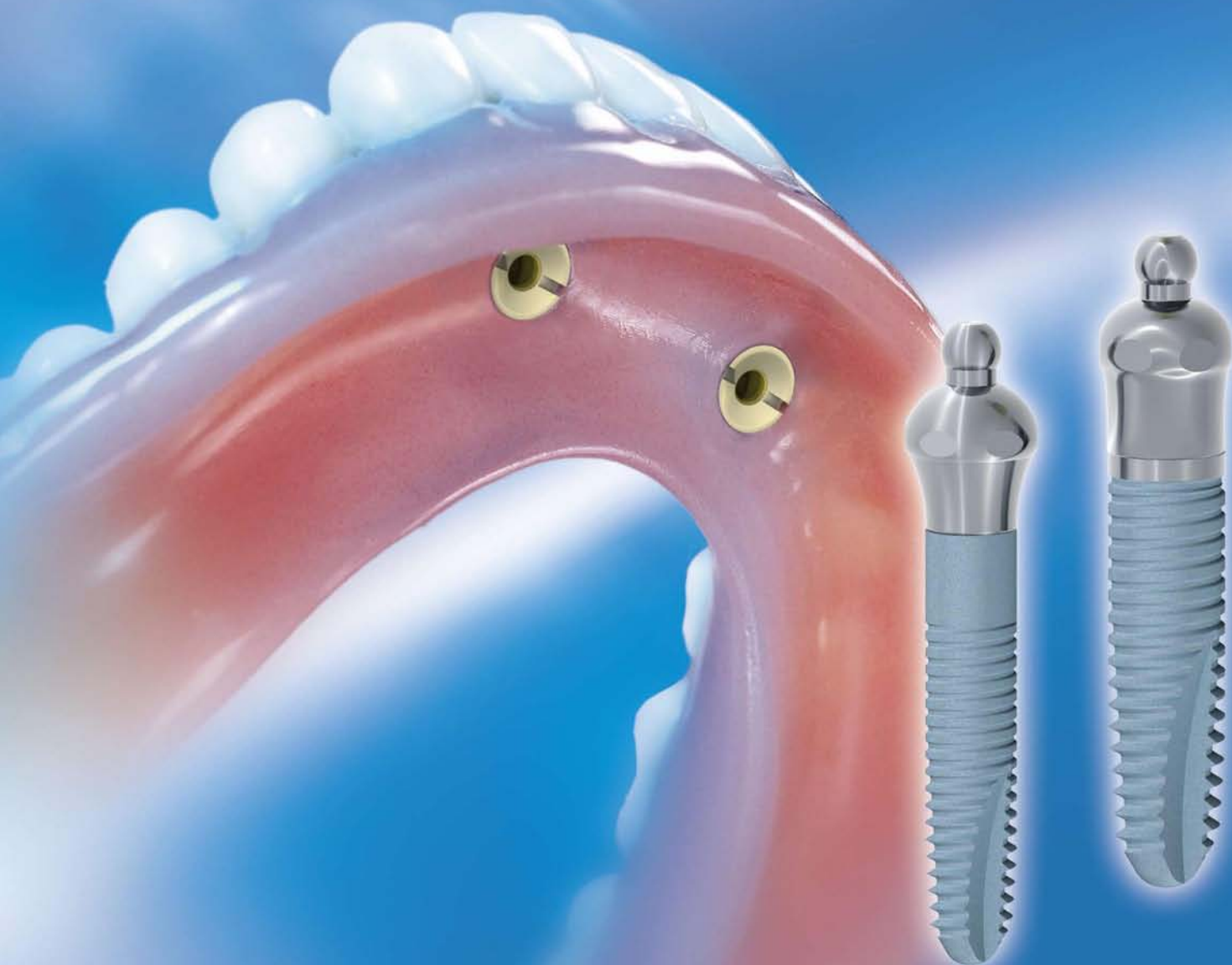


MicroPlant System

Product Information



MicroPlant Ø 2,5 mm



MicroPlant Ø 3,2 mm



MicroPlant

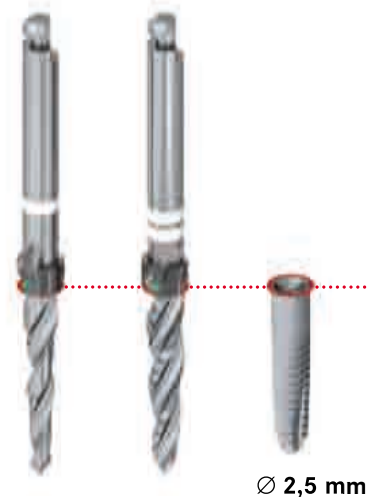
Made of pure titanium, this endosseous screw implant with self-tapping thread ensures excellent primary stability in the bone. This implant system serves to fix complete dentures in the lower jaw, especially in cases of jaw ridges with extreme atrophy or narrow alveolar crests.

The MicroPlant system is available in the diameters Ø 2.5 mm and Ø 3.2 mm and comes in three lengths, i.e. 9 mm, 12 mm and 15 mm.

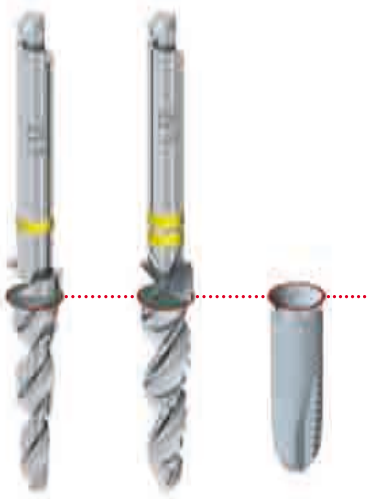
The straightforward operative technique is easy to master and offers maximum safety during implantation. This minimally invasive solution is particularly appreciated by elderly patients. MicroPlant implants in the intraforaminal region safely prevent horizontal shifting of the prosthesis in the lower jaw.

A MicroPlant implant can even be safely used in case of a narrow jaw ridge. Neither the dentist nor the patient need to go through strenuous preoperative procedures such as vestibuloplasty or onlay osteoplasty etc.

The cylindrical/tapered shape with its self-tapping, bone protecting thread features a groove for anti-rotational enhancement that will assure excellent primary stability after implantation. The implantation in two phases and the continuous calcium-phosphate coating guarantee quick and safe osseointegration. The conveniently sized set which is limited to only essential instruments, the simple, time-saving operative technique and the possibility of anchoring even existing dentures, all these factors make MicroPlant an interesting option for both patient and dentist, also from the financial point of view.



Ø 2,5 mm



Ø 3,2 mm





Pilot drilling and definite excavation of the implant site

Having marked the implant site with a round bur, the pilot bore is drilled with the MicroPlant pilot drill in the intended direction until the stop position at the collar is reached, slightly levelling the bone surface at the same time.

The excavation is carried out by means of an implant reamer until the stop position is reached. Manual reaming is also possible if preferred, in which case a hand wrench specially secured against vertical slipping is placed on the instrument. An additional hand wheel can also be mounted to further facilitate work, if required. The implant is lightly pressed into the bore hole and screwed in to bone level with the hand wrench, until the stop position is reached.

The sealing cap is then inserted into the previously cleaned implant and gently screwed in, followed by repositioning of the flap of mucous membrane and stitching up the wound.

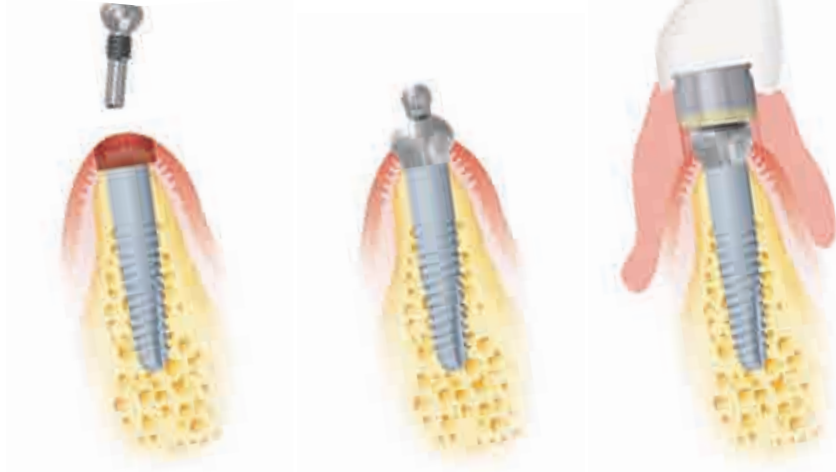
After a healing period of normally 3 – 4 months the implants are exposed. This is done under surface anaesthetics, for example by means of a tissue punch or a scalpel.

Subsequently the primary anchor is carefully screwed in until the stop position is reached and then tightened with a torque ratchet wrench. The secondary anchors are polymerised either into an already existing dental prosthesis or into a new one.

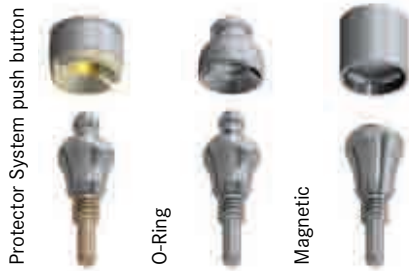


REF Set 4499 Ø 2,5 mm

REF Set 4460 Ø 3,2 mm
(without instruments)



MicroPlant Ø 2,5 mm



MicroPlant Ø 3,2 mm



Prosthetic reconstruction

Different supra-structures are available for prosthetic reconstructions. Suitable for Ø 2.5 mm and Ø 3.2 mm, the press-button protector attachment is the supra-structure with the most powerful clamping force available. Another option for implants with a diameter of Ø 2.5 mm is the O-Ring attachment which provides resilient support to dentures. The size of all elements is designed to avoid space problems. The special magnetic attachment encapsulated in titanium with clearance fit compensates for horizontal shifting of the dentures.

Apart from the press-button protector attachment, Steco® magnetic anchors are available for implants with a diameter of Ø 3.2 mm. For a particularly firm hold, bar retained reconstructions are also available.












Accessories for individual requirements

The new universal handle for contra-angle instruments allows the option of manual reaming. The handle is simple to open and easy to clean. When closing the clamping piece of the handle, a clicking sound signals safe closing and perfect locking of the instrument. The inserted instrument is securely fixed in both vertical and horizontal direction. To prevent fatigue of the hand during work, the hand wheel can be mounted to increase the manual torque.





Manual preparation is gentle on the bone, prevents thermal damage and fraying of the bone margins.










*Steco® is a registered trademark of the steco-system-technik Beteiligungsgesellschaft mbH











Pilot drill	Implant site reamer	Implant and sealing screw	Hand wrench to screw in the implant and the sealing screw	
 340L9A.204.1	 341L9A.204.1	 290L9A	 295A	 Sterile ampoule with support and sealing screw Starter kit L9 4493 L12 4494 L15 4495 Refill set L9 4496 L12 4497 L15 4498 Calibrating sheet 9819A
 340L12A.204.1	 341L12A.204.1	 290L12A		
 340L15A.204.1	 341L15A.204.1	 290L15A		

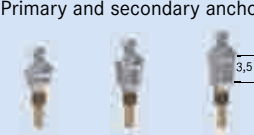
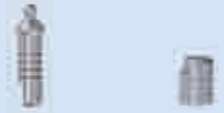
Protector System push button attachment, retention force 500 g, 1000 g and 1200 g	Laboratory implant and transfer cap for impressions
Primary and secondary anchor  524L1 1,5 mm 524L2 2,5 mm 524L3 3,5 mm  9918. 4/1/2 Replacement cap for Protector push button, including Protector ring  525.4/1/2 4 yellow 500 g 1 pink 1000 g 2 transparent 1200 g Yellow set L1 4551.025 Yellow set L2 4552.025 Yellow set L3 4553.025 Pink set L1 4554.025 Pink set L2 4555.025 Pink set L3 4556.025 Transparent set L1 4557.025 Transparent set L2 4558.025 Transparent set L3 4559.025	Laboratory implant and transfer cap for impressions  526 299A
Press-button attachment/existing prostheses: REF 238L1/2/3 primary anchor; REF 239.4/1/2 secondary anchor, REF 9843.4/2/1 replacement cap; Sets L1/L2/L3: yellow REF 4417/8/9, pink REF 4376/7/8, transparent REF 4380/1/2; manual instrument for pushing in the caps REF 9843 = REF 380; Laboratory: REF 297 laboratory implant, REF 381 laboratory anchor, REF 299A transfer cap for impressions; laboratory set REF 4379	Laboratory set 4560





O-Ring attachment, retention force 450 g	Laboratory implant, laboratory anchor and transfer cap
Primary and secondary anchor  291L1A 1,5 mm 291L2A 2,5 mm 291L3A 3,5 mm  9818A Replacement O-ring, transparent  292.A	Laboratory implant, laboratory anchor and transfer cap  297 298A 299A
Set L 1 A 4304A Set L 2 A 4305A Set L 3 A 4306A	Laboratory set 4308A


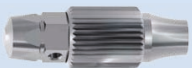



Magnetic attachment, retention force 150 g	Laboratory implant, laboratory anchor and transfer cap
Primary and secondary anchor  293L1 1,5 mm 293L2 2,5 mm 293L3 3,5 mm  150.294	Laboratory implant, laboratory anchor and transfer cap  297 301 300
Set L 1 4301 Set L 2 4302 Set L 3 4303	Laboratory set 4307

Tissue punch	Hand wrench for primary anchor press-button Protector, O-ring and magnet	Hand wrench for press-button Protector to exchange the cap and the Protector ring	
 222A.644.028	 296A	 502	 (without instruments) Sterilisation container and instrument tray 4499
Hand instrument for exchanging O-rings 334			


Pilot drill	Implant site reamer	Implant and sealing screw	Hand wrench to screw in the implant and the sealing screw
 340L9B.204.2	 341L9B.204.2		 Sterile ampoule with support and sealing screw
 340L12B.204.2	 341L12B.204.2		
 340L15B.204.2	 341L15B.204.2		
		290L9B 290L12B 290L15B	295B
			Starter kit L 9 4454 L 12 4455 L 15 4456 Refill set L 9 4457 L 12 4458 L 15 4459 Calibrating sheet 9819B

Protector System push button attachment, retention force 500 g, 1000 g and 1200 g	Laboratory implant and transfer cap for impression taking
Primary and secondary anchor  524L1B 524L2B 524L3B 1,5 mm 2,5 mm 3,5 mm	 526 299A
9918. 4/1/2 Replacement cap for Protector push button, including Protector ring Yellow set L1 4551.032 Yellow set L2 4552.032 Yellow set L3 4553.032 Pink set L1 4554.032 Pink set L2 4555.032 Pink set L3 4556.032 Transparent set L1 4557.032 Transparent set L2 4558.032 Transparent set L3 4559.032	
525.4/1/2 4 yellow 500 g 1 pink 1000 g 2 transparent 1200 g	
Press-button attachment/existing prostheses: REF 238L1B/2B/3B primary anchor; REF 239.4/1/2 secondary anchor, REF 9843.4/2/1 replacement cap; Sets L1/L2/L3: yellow REF 4461/2/3, pink REF 4464/5/6, transparent REF 4467/8/9; manual instrument for pushing in the caps REF 9843 = REF 380; Laboratory: REF 297B laboratory implant, REF 381B laboratory anchor, REF 299A transfer cap for impressions; laboratory set REF 4470	Laboratory set 4560


Steco® magnetic attachment, retention force 160 g	Laboratory implant Steco®	Steco® hand wrench for Steco® magnetic primary anchors	Steco® ratchet insert
Primary and secondary anchor  9881L1 9881L2 9882 2,5 mm 3,5 mm Set 4471 Set 4472	 9885 Laboratory set 4473	 465	 9884

Tissue punch	Hand wrench for primary anchor press-button Protector	Hand wrench or press-button Protector to exchange the cap and the Protector ring	Handle for contra-angle instruments	Hand wheel
 222.644.035	 296A	 502	 155A	 454

Torque ratchet 10 – 35 Ncm
 suitable for 295A, 295B, 296A, 465, 9884



9820A



(without instruments)
 Sterilisation container and instrument tray **4460**

Bar	Healing cap	Screw driver for the healing cap	Fastening screw Bar	Hand wrench to insert the fastening screw
Primary anchor				
507L1 507L2 507L3	508	516	513	295B

Guide sleeve for impression taking	Transfer sleeve screw	Laboratory implant	Laboratory caps	Bars
510	511	512	515 POM 514 Pure titanium	9921 round, POM 9922 Oval bar, POM 528 round, pure titanium

Outer saddle, titanium to be fixed in the prosthesis	Universal female clip	Insertion key for inserting the universal female clip in the titanium sleeve 9929
9929	9923 yellow 9924 orange	9930
9928 Spacer for the female clip, green		



Guide sleeve system		
Guide sleeve to be fixed in the drilling template	Pilot bur suitable for use with the adapter sleeve 522	Adapter sleeve to be mounted on the pilot drill, for a drilling depth of 9 mm
521	210L20.205.020	522



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