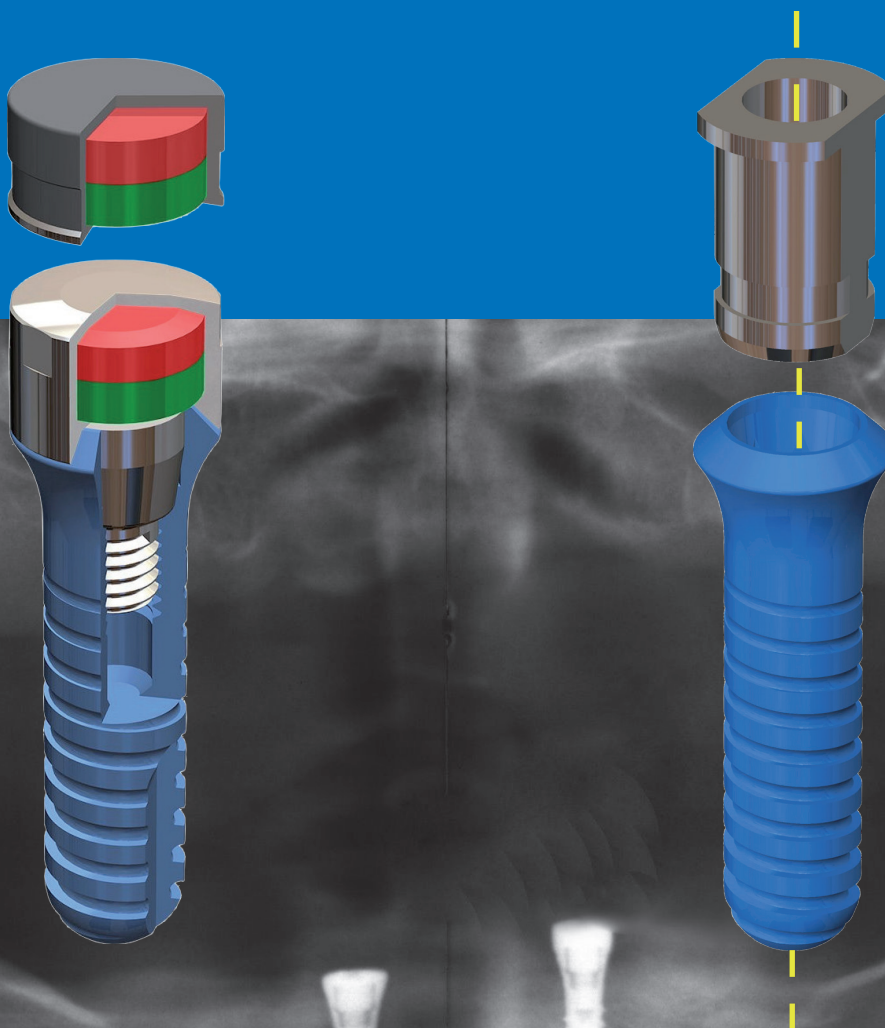
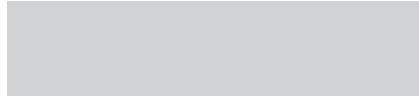




Product catalog dental



Your customer number:



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Media library/ Download

Here you will always find our latest documents (such as instructions for use), certificates as well as the General Terms and Conditions.

<https://steco.de/en/download/>

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Hjalmar Stemann
Graduate Economist and
Certified Dental Technician



Dear Customers.

Welcome to Steco! We would like to present our company and our products.

Our family-run business, steco-system-technik GmbH & Co. KG, was founded in 1996 by my father Hartmut Stemann and me. However, our dental roots go back over 100 years to when my great-grandfather came back to Hamburg (Germany) as a lay barber after his journeyman years following completion of his barber apprenticeship. In the late nineteenth century prostheses made from the new material, caoutchouc, gave dentistry and maxillofacial prosthetics a new direction. For the first time, it was possible to achieve aesthetically acceptable results with an exogenous substance (not from the body). The development of methyl methacrylate in the 1930s was the next big step. Today, implants and full ceramic restorations are standard practice.

The development of application-oriented products has been at the heart of our work since its inventive beginnings. Since the early 1980s, we have been offering magnetic anchoring for dental and facial prostheses. We have been working on implant planning since the mid-1990s. Together with users, we have been continuously enhancing our products. Even tried and tested products can be improved. This means that our products are known worldwide for their outstanding quality and have received multiple awards.

As a responsible manufacturer of medical devices, we obviously use a quality management system. "Quality is the fulfillment of requirements" - this is our motto for developing, designing, producing and distributing our products. Our quality management system is EN ISO13485 certified.

We are very keen to receive feedback from our customers. Only through the information provided by our users, can we make our products even better. If you have any complaints about our products, please let us know. We welcome your suggestions.

We are delighted that you are interested in our products.



Hjalmar Stemann
Managing Director, Owner



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All marked in the catalog with *) asterisk product numbers refer to the products that are sold exclusively through selected implant manufacturers. For the correctness of the foreign numbers we take no responsibility. The implant names mentioned on this and the following pages are trademarks of their respective manufacturers.

Magnet attachments for full dentures

This implant-supported solution is for patients aged 80+ with gout or rheumatism, and especially for geriatric dentistry. Titanmagnetics® can also be used with short implants.

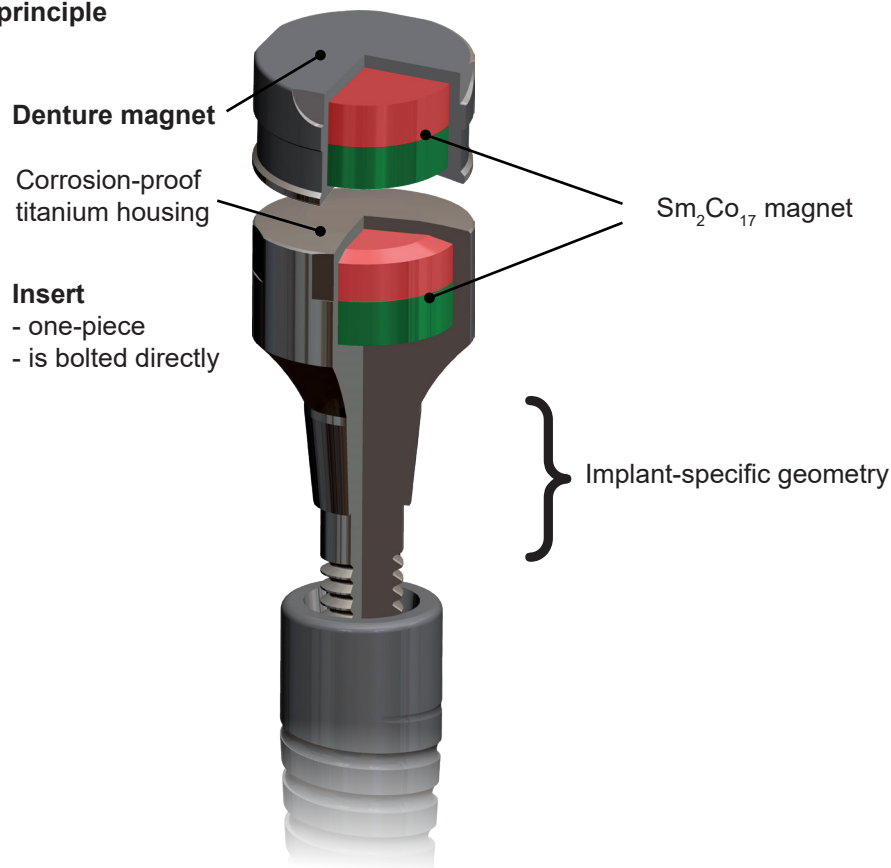
The mini magnets can be used for over 60 different implant connections.

Advantages:

- easy to use → the denture is easy to put in and take out
- easy to clean → polished surfaces, no undercuts
- value for money → no changing of matrix required
- universal → multiple product lines for all major implant systems

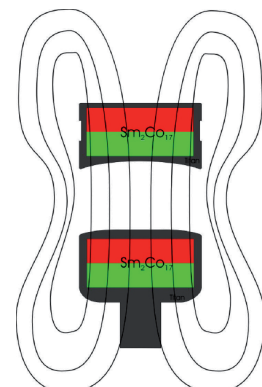


The construction principle



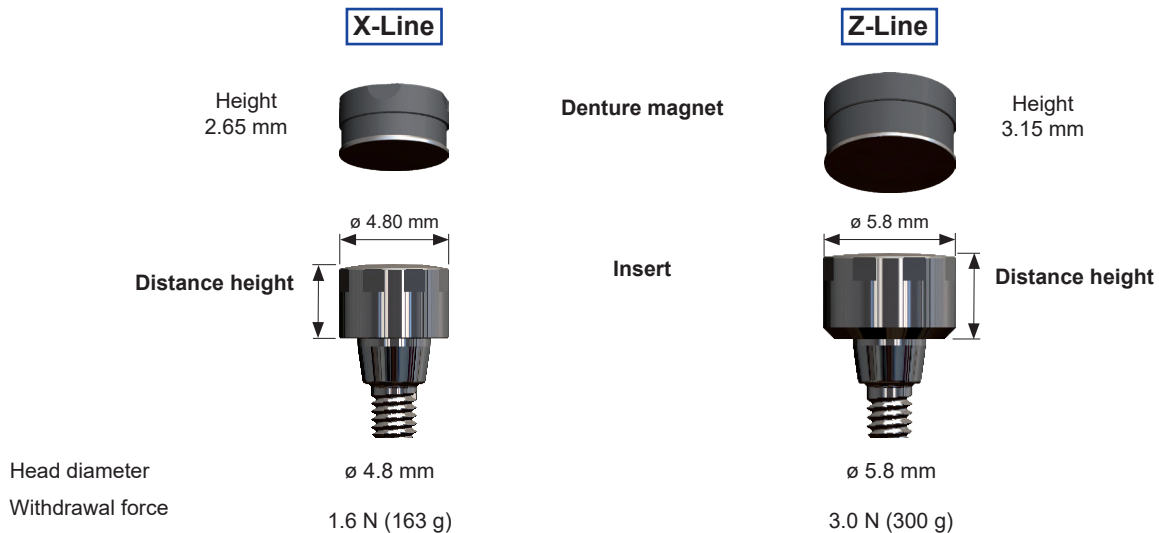
Dual magnet system

Two open magnetic fields exert a force of attraction over a longer distance than mono-magnet systems.



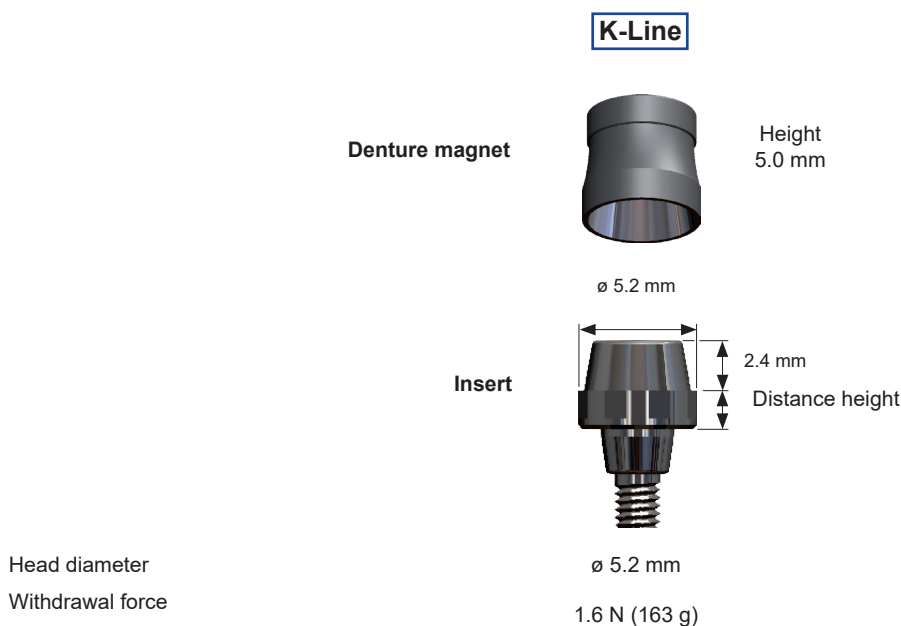
Spherical magnets

- slightly curved surface
- self-centering
- exert lowest lateral force into the implant
- especially suited for short implants
- the number at the end of the REF number indicates the height, eg. I.01.02.X325 = 3.25 mm



Conical magnets

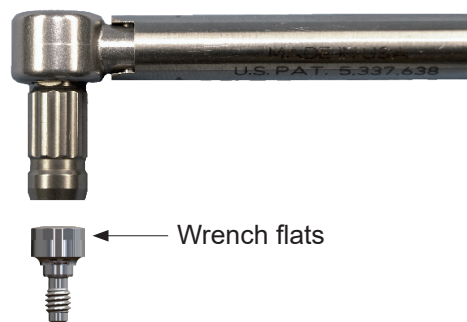
- conical 10° form
- absorbs lateral forces
- stabilises the denture to prevent sideways movement
- the recommended minimum length of the implant is 12 mm
- the number at the end of the REF number indicates the height, eg. I.01.02.K150 = 1.50 mm



Torque wrench adapter

- suitable for all common torque wrenches
- safe handling thanks to coupling
- safe handling by coupling
- wrench flats for perfect hold

For all compatible ratchets, see page 20.



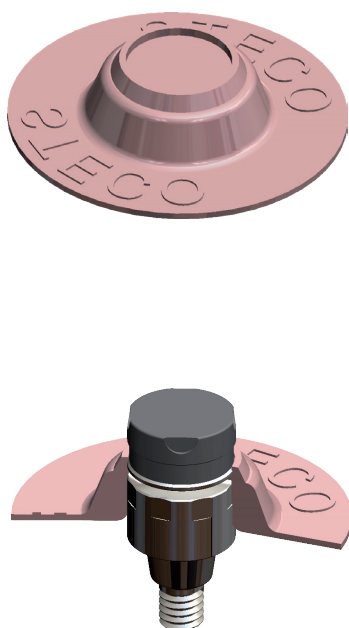
Positioning cuff / resilience ring

The positioning cuff ensures the denture magnet is polymerised in the right place. The resilience distance prevents the two magnetics from direct contact.

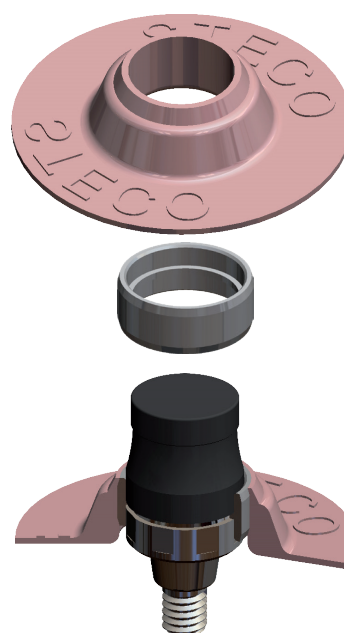
- protects the implant and tissue
- ideal for chairside use
- resilience distance on the X-Line and Z-Line using the positioning cuff (= 0.3 mm)
- resilience distance on the K-Line using the resilience ring (= 0.3 mm)



X-Line

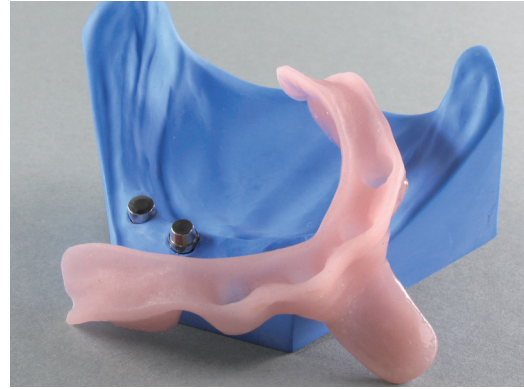


K-Line



Equipment for the laboratory

To make a new denture, each product line has its own compatible impression post and laboratory replica.



Impression post

- magnetic impression without screws
- lock magnetically to the insert
- the external geometry ensures the impression material is securely fixed
- for the K-Line, the denture magnet is used
- Z-Line follows the same principle as X-Line

X-Line



K-Line



Laboratory replicas

- for making models quickly and hygienically
- the original implant does not have to be used on the insert
- there is no need for time-consuming cleaning
- Z-Line follows the same principle as X-Line

X-Line



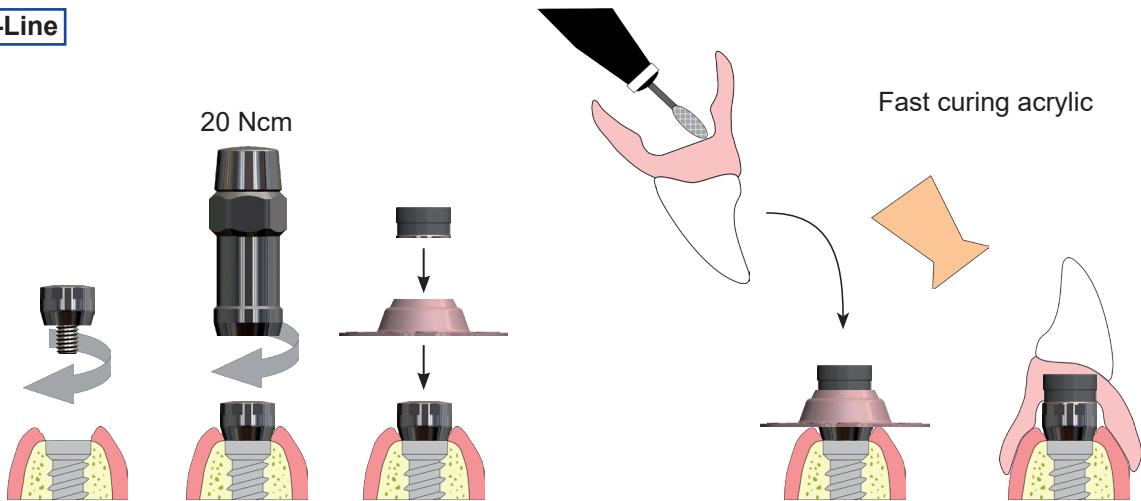
with magnet,
coated with titanium

K-Line



without magnet,
magnetic stainless
steel

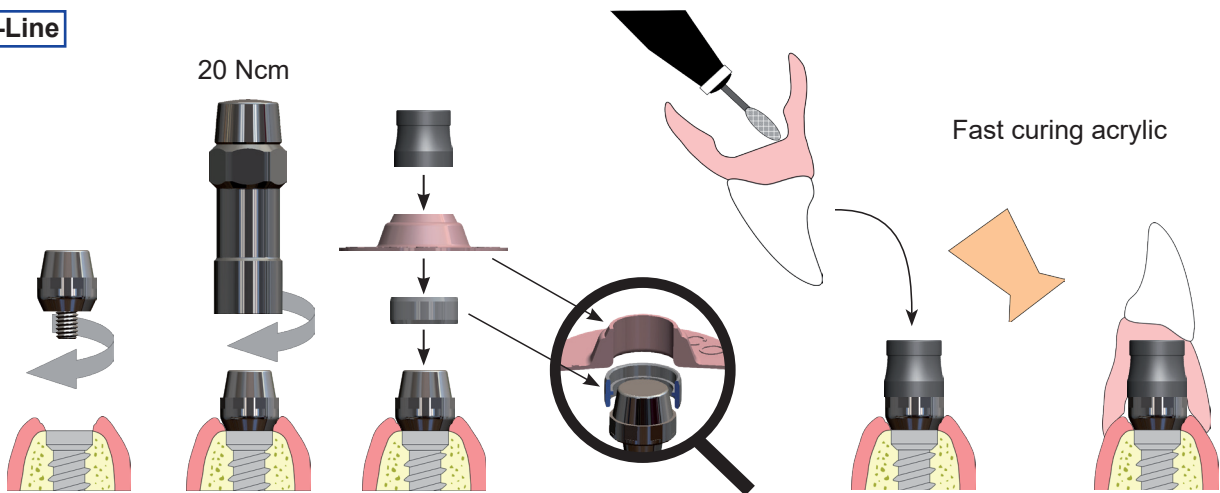
X-Line



Insert I.X...	Torque wrench adapter H.X...	Positioning cuff P.00.01.X1 P.00.01.X2	Denture magnet U.00.01.X265R
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Z-Line follows the same principle.

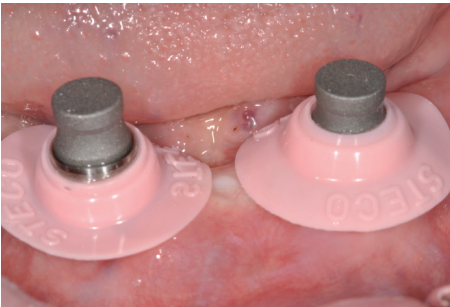
K-Line



Insert I. K...	Torque wrench adapter H.K...	Resilience ring P.00.05.K1	Positioning cuff P.00.01.K1 P.00.01.K2	Denture magnet U.00.01.K500
--------------------------------------	---	--	---	---



Titanmagnetics inserts are screwed with a torque of 20 Ncm. There are Torque wrench adapters available for numerous implant-specific torque wrenches.



Put on the resilience rings, positioning cuffs and denture magnet (for example, on the K-Line).

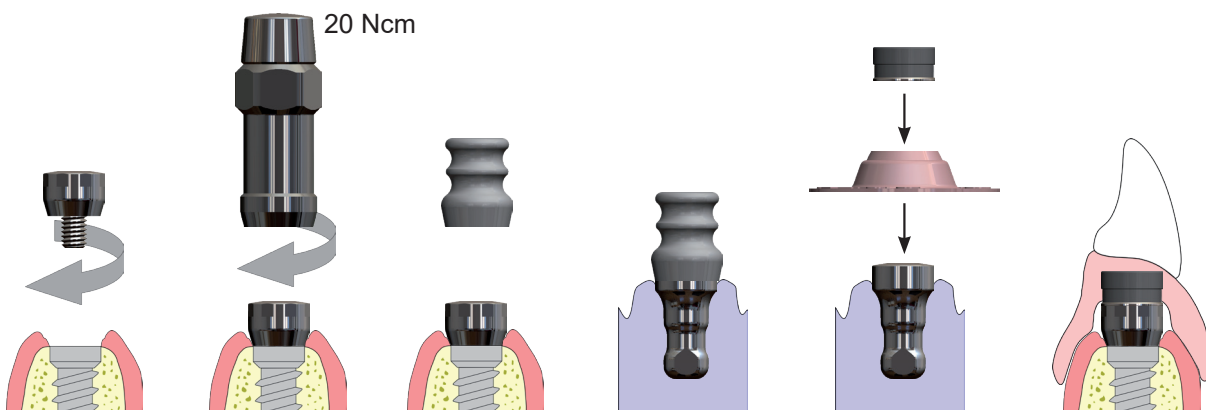


Fill the polished denture base with curing acrylic, insert the dentures and let the acrylic cure.



Basal finishing work on the denture (finished lower denture).

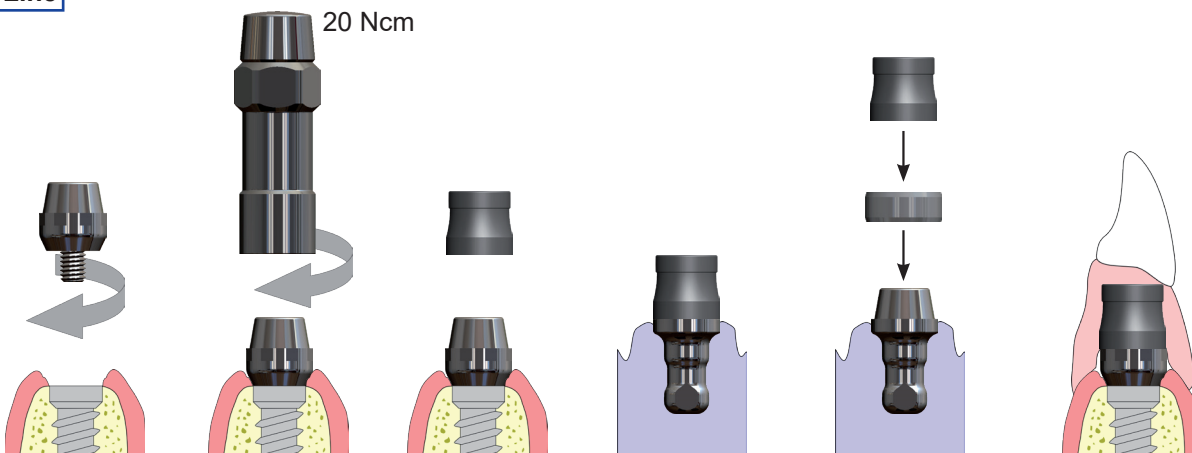
X-Line



Insert I. X..	Torque wrench adapter H.X...	Impression post A.00.02.X695	Laboratory replica M.00.01.X900	Positioninf cuff P.00.01.X1 P.00.01.X2	Denture magnet U.00.01.X265R
----------------------------------	---	--	---	---	--

Z-Line follows the same principle.

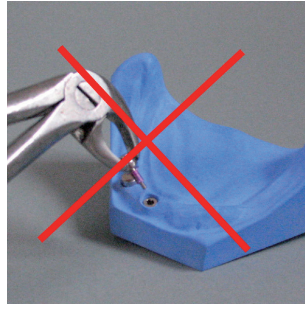
K-Line



Insert I. X...	Torque wrench adapter H.K...	Denture magnet is also impression post U.00.01.K500	Laboratory replica M.00.01.K750	Resilience ring P.00.05.K1
-----------------------------------	---	---	---	--



Screw in Titanmagnetics® inserts intraorally with 20 Ncm



Never screw in or out with forceps!



Functional impression with impression posts



Jaw relation template fixed by Titanmagnetics®



Wax-up on magnet retained template



Model cast on the doubled model



Magnets fixed in model casted framework



Finished denture



Insert and denture magnet

alphatech (FMZ, Henry Schein)



X-Line

Implant platform	Product line	Distance height	REF
∅ 3.4 mm	X-Line	3.50 mm	886280*
∅ 3.8 mm		3.50 mm	886281*
∅ 4.3 mm		3.50 mm	886282*
∅ 5.0 mm		3.50 mm	886283*

*Orders can be made via the company Henry Schein.

Ankylos C/X (Dentsply Implants)



X-Line



K-Line



Z-Line

Implant platform	Product line	Distance height	REF
∅ 4.1 mm	X-Line	H 4.40 mm GH 1.50 mm	I.03.04.X440
		H 5.90 mm GH 3.00 mm	I.03.04.X590
	K-Line	H 2.95 mm GH 1.30 mm	I.03.04.K295
		H 4.45 mm GH 2.40 mm	I.03.04.K445
	Z-Line	H 4.40 mm GH 1.20 mm	I.03.04.Z440

H = Distance height, GH = Gingival height

BoneLevel (Straumann)



X-Line



K-Line

Implant platform	Product line	Distance height	REF
NC ∅ 3.3 mm	X-Line	3.50 mm	I.01.04.X350
		5.00 mm	I.01.04.X500
	K-Line	3.00 mm	I.01.04.K300
		4.50 mm	I.01.04.K450
RC ∅ 4.1 mm	X-Line	3.50 mm	I.01.05.X350
		5.00 mm	I.01.05.X500
	K-Line	3.00 mm	I.01.05.K300
		4.50 mm	I.01.05.K450

Brånemark (Nobel Biocare)



Implant platform	Product line	Distance height	REF
RP	X-Line	3.50 mm	I.02.01.X350
		5.00 mm	I.02.01.X500
		6.50 mm	I.02.01.X650
	K-Line	3.50 mm	I.02.01.K350
		5.00 mm	I.02.01.K500
	Z-Line	4.75 mm	I.02.01.Z475
6.00 mm		I.02.01.Z600	
WP	X-Line	4.35 mm	I.02.03.X435
		5.40 mm	I.02.03.X540
		6.50 mm	I.02.03.X650
	Z-Line	4.75 mm	I.02.03.Z475
		6.00 mm	I.02.03.Z600
NP	X-Line	3.50 mm	I.02.04.X350
		5.00 mm	I.02.04.X500
		6.50 mm	I.02.04.X650

Bredent Sky (Bredent Medical)



Implant platform	Product line	Distance height	REF
ø 4.0 mm	K-Line	2.00 mm	I.64.01.K200

BTI (BTI)



Implant platform	Product line	Distance height	REF
Tiny	X-Line	3.80 mm	TIXL-4838IT*
Interna	X-Line	3.50 mm	TIXL-4835IU*

*Orders can be made via the company BTI.

Camlog (Camlog)



Implant platform	Product line	Distance height	REF
ø 3.3 mm	X-Line	3.00 mm	I.33.01.X300
		4.50 mm	I.33.01.X450
	K-Line	2.00 mm	I.33.01.K200
		3.50 mm	I.33.01.K350
ø 3.8 mm	X-Line	3.00 mm	I.33.02.X300
		4.50 mm	I.33.02.X450
	K-Line	2.00 mm	I.33.02.K200
		3.50 mm	I.33.02.K350
ø 4.3 mm	X-Line	3.00 mm	I.33.03.X300
		4.50 mm	I.33.03.X450
	K-Line	2.00 mm	I.33.03.K200
		3.50 mm	I.33.03.K350
ø 5.0 mm	X-Line	3.00 mm	I.33.04.X300
		4.50 mm	I.33.04.X450
	K-Line	2.00 mm	I.33.04.K200
		3.50 mm	I.33.04.K350

Conelog (Camlog)



Implant platform	Product line	Distance height	REF
ø 3.8 mm + ø 4.3 mm	X-Line	3.50 mm	I.58.01.X350
		5.00 mm	I.58.01.X500
	K-Line	2.50 mm	I.58.01.K250
		4.00 mm	I.58.01.K400
	Z-Line	4.00 mm	I.58.01.Z400

FairImplant (FairImplant)



K-Line

Implant platform	Product line	Distance height	REF
FairTwo S	K-Line	3.00 mm	40 35 81*
		4.50 mm	40 35 82*

*Orders can be made via the company FairImplant.

Neoss (Neoss)



X-Line

K-Line

Implant platform	Product line	Distance height	REF
for all implant diameters	X-Line	2.75 mm	1.48.01.X275
		4.25 mm	1.48.01.X425
	K-Line	2.00 mm	1.48.01.K200
		3.50 mm	1.48.01.K350

Nobel Replace Trilobe internal connection (Nobel Biocare)



X-Line

K-Line

Implant platform	Product line	Distance height	REF
ø 3.5 mm	X-Line	3.00 mm	1.38.01.X300
		4.50 mm	1.38.01.X450
	K-Line	2.25 mm	1.38.01.K225
		3.75 mm	1.38.01.K375
ø 4.3 mm	X-Line	3.00 mm	1.38.02.X300
		4.50 mm	1.38.02.X450
	K-Line	2.25 mm	1.38.02.K225
		3.75 mm	1.38.02.K375
ø 5.0 mm	X-Line	3.00 mm	1.38.03.X300
		4.50 mm	1.38.03.X450
	K-Line	2.25 mm	1.38.03.K225
		3.75 mm	1.38.03.K375

OT-F² + OT-F³ (OT Medical)



X-Line K-Line

Implant platform	Product line	Distance height	REF
ø 3.4 mm F2	X-Line	3.25 mm	I.56.03.X325
	K-Line	2.50 mm	I.56.03.K250
ø 3.8 mm F2 + F3	X-Line	3.25 mm	I.56.01.X325
	K-Line	2.50 mm	I.56.01.K250
ø 4.1 mm F2 + F3	X-Line	3.25 mm	I.56.02.X325
	K-Line	2.50 mm	I.56.02.K250

OsseoSpeed TX (Astra Tech / Dentsply Implants)



X-Line

Implant platform	Product line	Distance height	REF
ø 3.5 mm + ø 4.0 mm	X-Line	3.50 mm	I.65.01.X350
		5.00 mm	I.65.01.X500

Screw-Vent [Zimmer Dental / Zimmer Biomet]



X-Line K-Line

Implant platform	Product line	Distance height	REF
ø 3.5 mm	X-Line	3.00 mm	I.13.01.X300
		4.50 mm	I.13.01.X450
	K-Line	2.50 mm	I.13.01.K250
ø 4.5 mm	X-Line	3.00 mm	I.13.02.X300
		4.50 mm	I.13.02.X450
	K-Line	2.50 mm	I.13.02.K250

The inserts for SIC are compatible with Screw-Vent ø 3.5 mm.

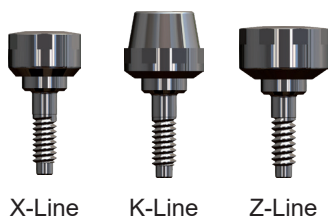
Straumann (Straumann)



















X-Line K-Line Z-Line

Implant platform	Product line	Distance height	REF
Regular Neck RN	X-Line	3.25 mm	I.01.02.X325
		4.75 mm	I.01.02.X475
		6.25 mm	I.01.02.X625
	K-Line	1.50 mm	I.01.02.K150
		3.00 mm	I.01.02.K300
	Z-Line	3.75 mm	I.01.02.Z375

XIVE / Frialit-2 (Dentsply Implants)





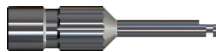
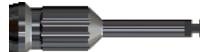







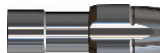


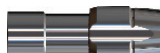





Implant platform	Product line	Distance height	REF
ø 3.4 mm	X-Line	3.00 mm	I.06.05.X300
		4.50 mm	I.06.05.X450
	K-Line	2.00 mm	I.06.05.K200
		3.50 mm	I.06.05.K350
ø 3.8 mm	X-Line	3.00 mm	I.06.01.X300
		4.50 mm	I.06.01.X450
		6.00 mm	I.06.01.X600
	K-Line	2.00 mm	I.06.01.K200
		3.50 mm	I.06.01.K350
	Z-Line	3.50 mm	I.06.01.Z350
ø 4.5 mm	X-Line	3.00 mm	I.06.02.X300
		4.50 mm	I.06.02.X450
		6.00 mm	I.06.02.X600
	K-Line	2.00 mm	I.06.02.K200
		3.50 mm	I.06.02.K350
	Z-Line	3.50 mm	I.06.02.Z350
ø 5.5 mm	X-Line	3.00 mm	I.06.03.X300
		4.50 mm	I.06.03.X450
		6.00 mm	I.06.03.X600
	Z-Line	3.50 mm	I.06.03.Z350
		5.00 mm	I.06.03.Z500
ø 6.0 mm	Z-Line	3.50 mm	I.06.04.Z350
		5.00 mm	I.06.04.Z500

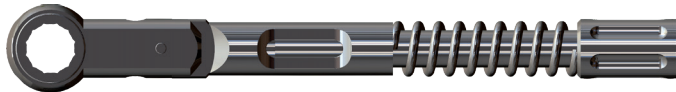
		Denture magnet	Positioning cuff	Resilience ring	Impression post	Laboratory replica
X-Line	Height REF	 2.65 mm U.00.01.X265R	 supraringival 0.3 mm** P.00.01.X1		 6.95 mm A.00.02.X695	 magnetic 9.0 mm M.00.01.X900
	Height REF		 äquingival 0.3 mm** P.00.01.X2			 magnetic 16.0 mm M.00.01.X1600
	Height REF					 magnetic stain- less steel 9.0 mm M.00.05.X900
K-Line	Height REF	 5.0 mm U.00.01.K500	 supraringival 0.0 mm** P.00.01.K1	 0.3 mm** P.00.05.K1	For the impres- sion please use denture magnet!	 magnetic 9.9 mm M.00.01.K750
	Height REF		 äquingival 0.0 mm** P.00.01.K2			
Z-Line	Height REF	 3.15 mm U.00.01.Z315	 supraringival 0.3 mm** P.00.03.Z1		 6.95 mm A.00.02.Z695	 magnetic 10.0 mm M.00.01.Z1000

* limited retention force 1.4 N

**Resilience height

Fit to this torque wrench:		X-Line	K-Line	Z-Line
Vierkant (US-Pat.) fit to Dynatorq, Dentsply (old), Screw-Vent, Steri-Oss	REF	 H.00.04.X1	 H.00.04.K1	 H.00.04.Z1
ISO 204 (Contra angle)	REF	 H.00.04.X2	 H.00.04.K2	 H.00.04.Z2
Sechskant fit to Bredent, Camlog, IMZ, prowital	REF	 H.00.04.X3	 H.00.04.K3	 H.00.04.Z3
Straumann, Neoss	REF	 H.00.04.X4	 H.00.04.K4	 H.00.04.Z4
Impla [Schütz Dental]	REF	 635087*	 635099*	
Pitt-Easy	REF	 H.16.01.X1	 H.16.01.K1	
SIC [SIC invent]	REF		 935099*	
Semados	REF	 H.08.01.X1	 H.08.01.K1	 H.08.01.Z1

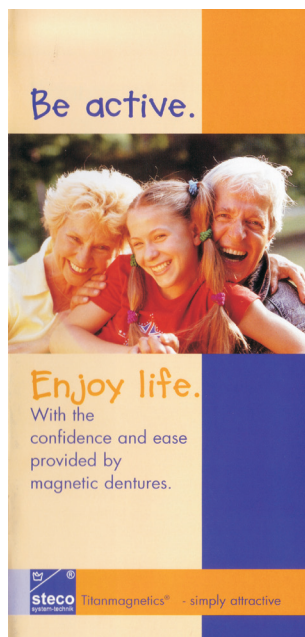
Torque wrench

Fit to:		Universal
Hexagonal connection H.00.04.X3 H.00.04.K3 H.00.04.Z3	REF	 O.00.01.DMR20

Demo models are an important tool in patient communication. We offer various demo parts, with which you can make your own models. Please contact us!



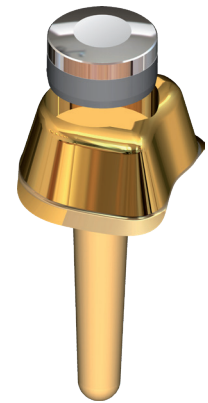
We can provide you with more printed information for your patients as flyers, as well as our practical patient pass.



StecoTitanmagnetics Patient passport	
Confirmation of check-ups for patient with magnetic prosthesis	
Name:	<input type="text"/>
First name:	<input type="text"/>
Birthday:	<input type="text"/>
Road:	<input type="text"/>
Postalcode/ Location:	<input type="text"/>

Magnets for cast root caps

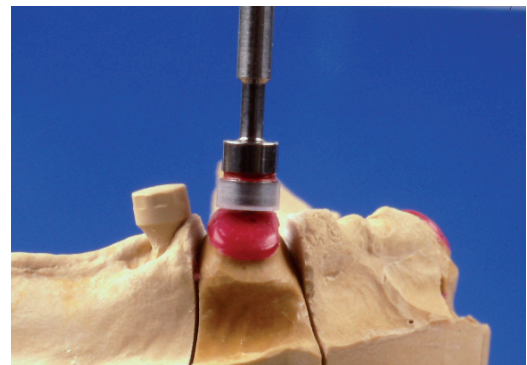
Using Titanmagnetics® for root caps, residual root material can be quickly and easily incorporated into the denture as additional retaining elements.



Method

The root cap is modeled using the usual method, with the help of a castable sleeve and casted into the desired alloy. The corrosion-proof titanium-encapsulated magnet is glued with an orally compatible adhesive into the polished (sand-blasted on the inside) root cap.

Once the root cap has been cemented into the patient's mouth, the denture magnet can be glued using the special positioning cuff to the prepared denture right in the dentist's chair. The denture magnets can also be fixed on to the model in the laboratory.



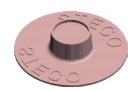







Obturator

The root cap magnets can also be used for coupling obturators. For silicon, the obturator magnets come with a retention ring.













Titanmagnetics® for root cap with equipment

		Root cap magnet	Denture magnet	Positioning cuff	Modelling sleeves	Modelling tool
X-Line	Height	 2.5 mm	 2.65 mm	 0.3 mm*	 2.05 mm	 32.55 mm M.00.04.X103 (ø 2.35 mm)
	REF	V.00.01.X250	U.00.01.X265R	P.00.04.X1	M.00.03.X205 (PU = 2 pieces)	 32.55 mm M.00.04.X123 (ø 3.0 mm)
Z-Line	Height REF	 3.0 mm V.00.01.Z300	 3.15 mm U.00.01.Z315			

*ResilienzHeight

Obturator magnets

		Obturator magnet	Obturator magnet with retention ring	Counter magnet	Counter magnet with retention ring
X-Line	Height REF For	 2.5 mm V.00.01.X250 acrylic	 2.5 mm V.00.02.X250 silicone	 2.65 mm U.00.01.X265R acrylic	 2.65 mm U.00.02.X265 silicone
Z-Line	Height REF For	 3.0 mm V.00.01.Z300 acrylic		 3.15 mm U.00.01.Z315 acrylic	 3.15 mm U.00.02.Z315 silicone

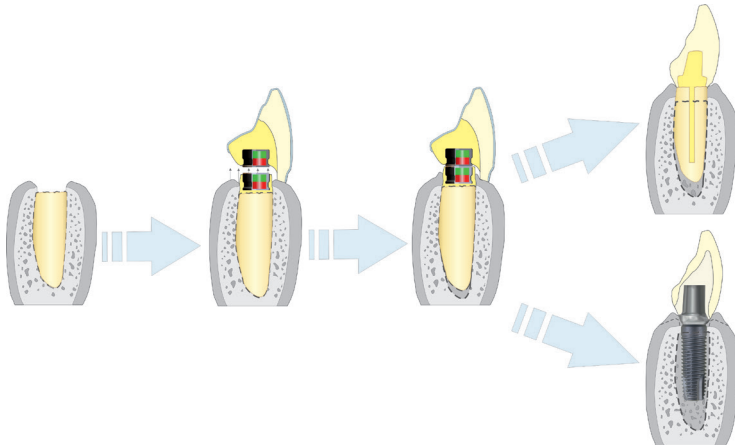
		Obturator magnet	Obturator magnet with retention ring	Obturator magnet with retention wings
W-Line (flat magnets)	Height REF For	 2.65 mm V.00.07.W265 acrylic	 2.65 mm V.00.06.W265 silicone	 2.65 mm V.00.08.W265 silicone

Fractured tooth?

Magnetic force moves root and gingiva

A corrosion-proof magnet encapsulated in titanium is fixed to the root. A second magnet is fixed to a splint or a temporary denture a small distance away. The magnetic attraction between the two magnets pulls the root out of the alveolus slowly until both magnets meet. Depending on the tooth, the process can take from several weeks up to a few months. The bone tissue below the root is built up. The soft tissue follows the root along the corona.

The maximum force between the magnets in contact with each other is about 1 N (100 g). With two positioning aids, the initial distance can be set at 1 mm (0.33 N) or 2 mm (0.13 N).



Crown instead of extraction

Is the root too deeply fractured to attach a crown? With magnetic extrusion, the root can be pulled out of the alveolus so a crown can be placed over it.

Bone growth before implantation

With the help of magnetic extrusion, the patient's own bone and gingival tissue can be pulled upwards. The implant can be inserted more effectively into the body's own bone tissue, ensuring the gums look more aesthetically pleasing.

Extrusionmagnet individually or as a set

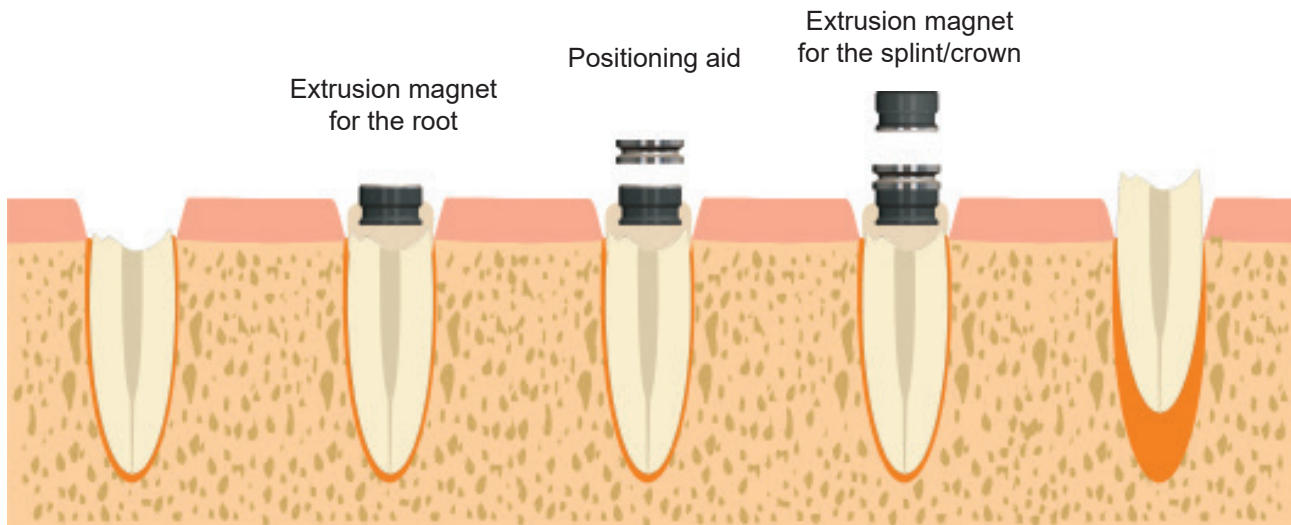
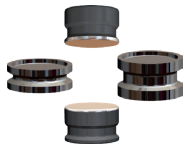




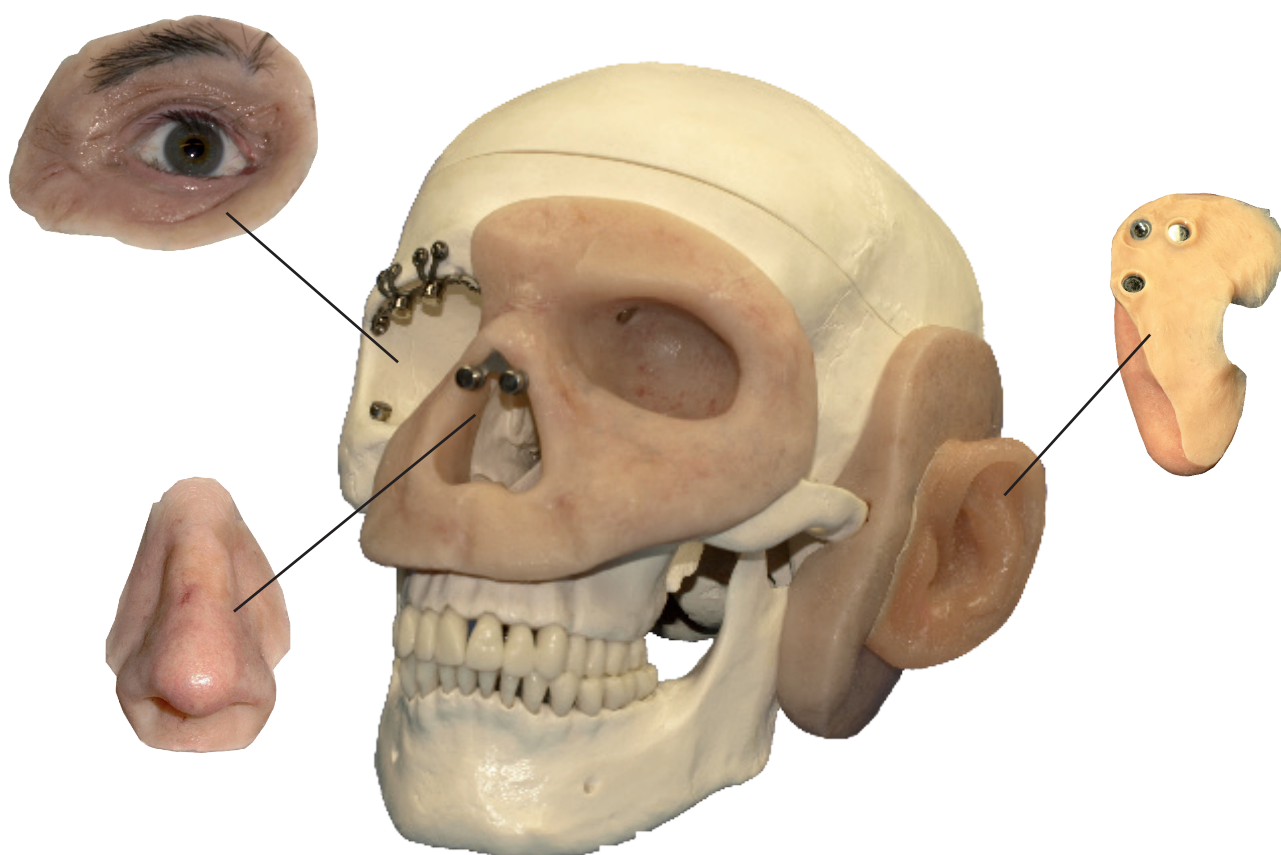
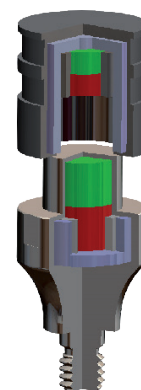


Figure	Description	REF
	Extrusion set contains: 1 Magnet for splint/ crown 1 Magnet for root 1 Positioning aid H 1.00 mm (0,33 N) 1 Positioning aid H 2.00 mm (0,13 N)	S.62.01.Y1
	Extrusion magnet for the root	V.62.01.Y245.C
	Extrusion magnet for the splint/crown	V.62.01.Y245.R
	Positioning aid, distance height 1.0 mm	P.62.01.Y100
	Positioning aid, distance height 2.0 mm	P.62.01.Y200

In the treatment of patients with maxillofacial prostheses, Titanmagnetics® play an important role. We offer an extensive range of Titanmagnetics® specifically for extra-oral use. Special implant and plate systems are used.

Our Titanmagnetics® T-Line has been developed exclusively for extra-oral use. Special universal components such as prosthesis magnets with silicone retention or an additional lateral guide have been specially designed for use in maxillofacial prostheses.

All products for extraoral use are described in a separate catalog. You can download the catalog here: www.steco.de/en/download/



Drilling sleeves for implant planning and -surgery

From simple diagnostic planning to a full digital implant process chain, a range of different sleeves can be used. StecoGuide offers different types of drill sleeves for planning and drilling templates.

Which drill sleeve for what?

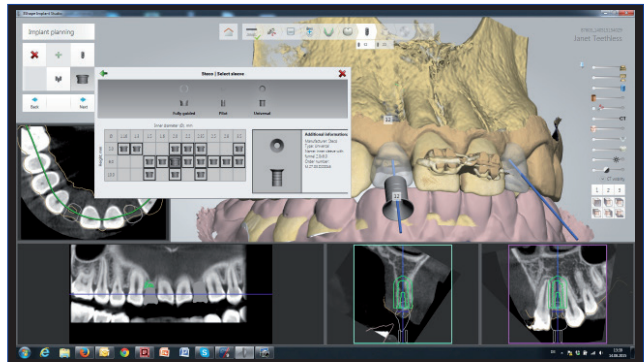
The drill sleeve to be chosen depends on the planned type of drilling template. For simple planning templates, different sleeves are required from those used for surgical templates, with which guide drills and the implant have to be guided. In addition, drilling accuracy requirements will determine choice of sleeve diameter.

- planning
- pilot drilling
- multiple drilling stages
- fully guided



Which sleeves for which software?

The geometry data of Steco sleeves are stored in many implant planning programs. In some programs, the sleeves have different names. Example: for 3Shape Implant Studio, the titanium single sleeve is called a pilot sleeve and the titanium double sleeves are called universal sleeves.



The following planning programs contain the StecoGuide sleeves.

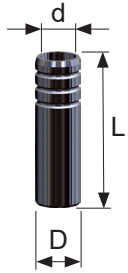


Radiodiagnostic planning

For radiographic diagnosis, the titanium single sleeves are suitable. They help to determine whether the planned implant position is surgically feasible. They can be used for pilot drill as well.

Titanium single sleeves

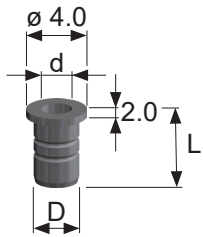
- particularly well suitable for use in planning templates
- easy to measure in X-ray images (titanium)
- universal diameter ($\varnothing 2.35$ mm standard drill shank)
- simple surgical guide



REF	D [mm]	d [mm]	L [mm]	PU
M.27.01.D200L5	3.0	2.0	5.0	10
M.27.01.D235	3.0	2.35	10.0	10
M.27.01.D235L5	3.0	2.35	5.0	10

Titanium collar sleeves

- especially good for use with pilot drills
- Collar against slipping through



REF	D [mm]	d [mm]	L [mm]	PU
M.27.31.D200L5	3.0	2.0	5.0	10
M.27.31.D220L5	3.0	2.2	5.0	10
M.27.31.D235L5	3.0	2.35	5.0	10

Equipment

The drill produces a hole that is compatible with the sleeve diameter into which the sleeve has to be pressed. The impression tool makes it easier to push in the sleeve.



Template drill

M.27.01.B300



Impression tool

M.27.01.E235

Titanium outer sleeves

In the outer sleeves (inner \varnothing 3.50 mm), the inner sleeves (outer \varnothing 3.50 mm) can be inserted into each other accurately. With this double sleeve principle (tube-in-tube) the outer sleeves sits securely in the template. The inner sleeves can be changed with the different drill diameters. The outer sleeves can be used individually, as well as the inner sleeves.



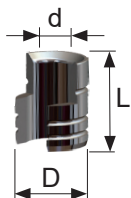
REF	D [mm]	d [mm]	L [mm]	PU
M.27.02.D350	4.0	3.5	6.0	10
M.27.02.D350L5	4.0	3.5	5.0	10



Cross-section

Open outer sleeves

This special outer sleeve is suitable for limited spaces because the drill swiveled over entire sleeve length. Swivel the inner sleeve upwards, guide it down and prevent it from tilting.



REF	D [mm]	d [mm]	L [mm]	PU
M.27.18.D350	5.0	3.5	6.0	5



Equipment for outer sleeve

The template drill produces a hole in the template that fits the external diameter. Then the sleeve just has to be pressed in (e.g. with the impression tool). The sleeve holder is used to position the outer sleeve when polymerising or gluing.



Template drill

M.27.02.B400



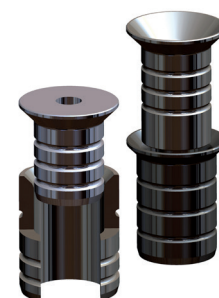
Impression tool

M.27.02.E350

Titanium double sleeves

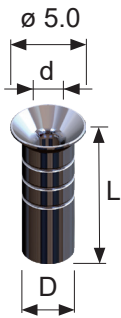
With the tube in tube principle, several drill diameters can be guided in one template. The system is universally applicable and covers many popular drill diameters. It is particularly suitable for guiding the first drilling steps when the final drilling is to be carried out under visual control.

- Guide different drill diameters with one template
- Outer sleeve sits firmly in the template
- Inner sleeves are exchanged / changed



Titanium inner sleeves

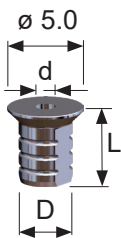
They fit exactly into the outer sleeves, but can also be fixed directly to the template. They are offered with many different drill diameters (inner- \varnothing) - from 1.5 mm to 2.8 mm.



REF	D [mm]	d [mm]	L [mm]	PU
M.27.03.D150L6	3.5	1.5	6.0	10
M.27.03.D150	3.5	1.5	10.0	10
M.27.03.D160L6	3.5	1.6	6.0	10
M.27.03.D200	3.5	2.0	10.0	10
M.27.03.D200L6	3.5	2.0	6.0	10
M.27.03.D210L6	3.5	2.1	6.0	10
M.27.03.D220L6	3.5	2.2	6.0	10
M.27.03.D225L6	3.5	2.25	10.0	10
M.27.03.D235	3.5	2.35	10.0	10
M.27.03.D235L6	3.5	2.35	6.0	10
M.27.03.D250L6	3.5	2.5	6.0	10
M.27.03.D280L6	3.5	2.8	6.0	10

Titanium inner sleeves with depth stop

They are suitable for drills with small depth stop and they are many different diameters - from 1.16 mm to 2.35 mm. A detailed description can be found on page 31.



REF	D [mm]	d [mm]	L [mm]	PU
M.27.24.D116L5	3.5	1.16	5.0	10
M.27.24.D130L5	3.5	1.3	5.0	10
M.27.24.D200L5	3.5	2.0	5.0	10
M.27.24.D220L5	3.5	2.2	5.0	10
M.27.24.D235L5	3.5	2.35	5.0	10

Equipment for inner sleeves

The template drill is used when the inner sleeve is to be pressed directly in the template.



Template drill

M.27.03.B350



Impression tool

- \varnothing 2.0 mm
- \varnothing 2.35 mm

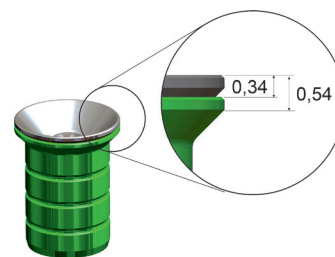
M.27.03.E200

M.27.03.E235

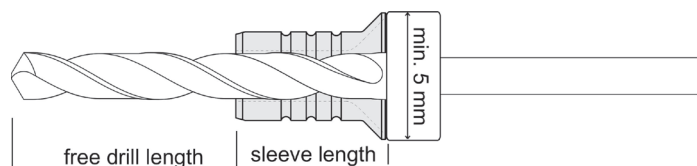
Depth stop for double sleeves

The system of StecoGuide titanium double sleeves indicates titanium sleeves for axial guiding of cylindrical drills in surgical templates or surgical guides. Under certain conditions they might be used together with depth controlled surgical instruments within 3D implant planning tools.

Therefore the exact drill diameter and the length between drill tip to depth stop have to be known. The distance between implant shoulder and the drill sleeve is specified by the free drill length, the sleeve length and the implant length.



To use double sleeves with depth stop drills the diameter of the depth stop has to be at least 5.0 mm. Otherwise it would stop inside the sleeves funnel. For drills with small depth stop the titanium inner sleeves with depth stop (M.27.24.D ...) can be used. It has to be made sure that the drill fits the sleeve correctly in advance. Please refer to instruction for use for further information. Conical shaped drills cannot be guided in a cylindrical sleeve.



Requirements

- Which drill shall be used? Does the drill fit the sleeve? (check in advance!)
- Which sleeve should be used? (innersleeve or inner- and outer sleeve)
- Distance between drill tip and depth stop is larger than implant plus sleeve length.
- Does the drill have a depth stop
 - > 5.0 mm → Titanium sleeve possible with funnel
 - < 5.0 mm → Inner sleeve with depth stop

The sleeves upper collar has a height of 0.2 mm. By choosing the sleeve diameter within the software it has to be considered, that the inner sleeve sits 0.34 mm on the outer sleeve. Depending on the usage of inner sleeve and/or outer sleeve this distance has to be considered within planning. All provided measures may vary due to production tolerances.

Digital drilling template production

If the drilling templates are milled or printed, the software can already schedule the necessary fit for the sleeve. Therefore, the distance of the sleeve to the implant, the bit length and the distances of the additional nested sleeves must be considered.

Conventional production in the laboratory

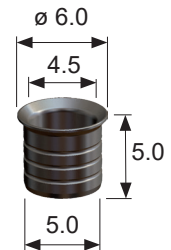
By using the template drill for inner or outer sleeve a hole is made with the exact shape of the sleeves outer surface. The sleeve just has to be pressed in.

CeHa drill sleeves

These drilling sleeves are like the previously known double sleeves, but 1.0 mm larger. This makes it possible to use even larger drills.

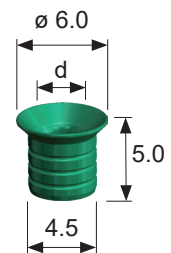
CeHa drill sleeves [outer]

REF	D [mm]	d [mm]	L [mm]	PU
M.27.05.D450	5.0	4.5	5.0	10



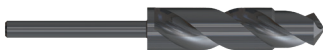
CeHa drill sleeves [inner]

REF	D [mm]	d [mm]	L [mm]	PU
M.27.06.D160	4.5	1.6	5.0	10
M.27.06.D200	4.5	2.0	5.0	10
M.27.06.D210	4.5	2.1	5.0	10
M.27.06.D220	4.5	2.2	5.0	10
M.27.06.D235	4.5	2.35	5.0	10
M.27.06.D240	4.5	2.4	5.0	10
M.27.06.D250	4.5	2.5	5.0	10
M.27.06.D280	4.5	2.8	5.0	10
M.27.06.D300	4.5	3.0	5.0	10
M.27.06.D320	4.5	3.2	5.0	10
M.27.06.D330	4.5	3.3	5.0	10
M.27.06.D340	4.5	3.4	5.0	10
M.27.06.D350	4.5	3.5	5.0	10
M.27.06.D380	4.5	3.8	5.0	10



Equipment

The template drill creates a hole in the template that is matched to the outside diameter, so that the sleeve only needs to be pressed in.



Template drill for CeHa drill sleeves [outer]

M.27.05.B520

Template drill for CeHa drill sleeves [inner]

M.27.06.B450

Titanium fully guided sleeves

For fully guided surgery special surgical instruments are used, which are guided in guide sleeves (or master sleeves). The instruments have cylindrical guide surfaces and a depth stop or are guided in suitable inserts (tray/keys)

- for "full-guided" surgical kits
- diameter and length adjusted to the guide sleeves of established surgical kits
- alternative sleeves for open planning systems
- uses less space than circular sleeves

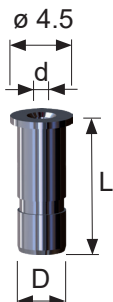
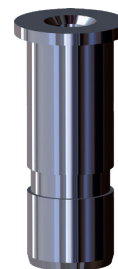


Guided sleeve for:	REF	D [mm]	d [mm]	L [mm]	PU
Ankylos ND	M.27.15.D448	5.5	4.48	4.0	5
Ankylos WD	M.27.15.D490	5.6	4.9	4.0	5
Astra EV „ND“	M.27.15.D460	5.6	4.6	4.0	5
Astra EV „WD“	M.27.15.D520	6.0	5.2	4.0	5
Astra TX „small“	M.27.15.D470	5.7	4.7	4.0	5
Astra TX „large“	M.27.15.D570	6.7	5.7	4.0	5
BioHorizons Yellow	M.27.15.D432	5.3	4.32	6.0	5
BioHorizons Green	M.27.15.D510	6.0	5.1	6.0	5
BioHorizons Blue	M.27.15.D630	7.0	6.3	6.0	5
Camlog für ø 3.3 mm	M.27.15.D350	4.5	3.5	3.0	5
Camlog für ø 3.8/4.3 mm	M.27.15.D450L3	5.5	4.5	3.0	5
Camlog für ø 3.8/4.3 mm	M.27.15.D450	5.5	4.5	4.0	5
Camlog PL für ø 3.3 mm	M.27.15.D360L3	4.7	3.6	3.0	5
Camlog PL für ø 3.8/4.3 mm	M.27.15.D460L3	5.7	4.6	3.0	5
Camlog PL für ø 5.0 mm	M.27.15.D560L3	6.7	5.6	3.0	5
MIS narrow	M.27.15.D400	4.6	4.0	4.0	5
MIS	M.27.15.D550	6.5	5.5	4.0	5
Nobel Biocare NP	M.27.15.D410	4.7	4.1	3.5	5
Nobel Biocare RP	M.27.15.D500	6.0	5.0	3.5	5
Nobel Biocare WP	M.27.15.D620	7.0	6.2	3.5	5
Simplant universal RP	M.27.33.D420L4	5.0	4.2	4.0	5
Simplant universal WP	M.27.33.D520L4	6.0	5.2	4.0	5
Straumann Guided Pilot	M.27.26.D220L6	3.8	2.2	6.0	5
Straumann ø 2.8	M.27.15.D280	3.8	2.8	6.0	5
Straumann ø 5.0	M.27.15.D500L5	6.0	5.0	5.0	5
Sweden & Martina ø 4,25 mm	M.27.15.D425	5.0	4.25	5.0	5
Sweden & Martina ø 5,5 mm	M.27.15.D555	6.35	5.55	5.0	5
XIVE ND	M.27.15.D448	5.5	4.48	4.0	5
XIVE WD	M.27.15.D520	6.0	5.2	4.0	5
Zimmer (Adapter A)	M.27.15.D420	5.2	4.2	4.0	5
Zimmer (Adapter B)	M.27.15.D530	6.3	5.3	4.0	5

Titanium sleeves for anchor pins

Anchor pins are used for stabilising drilling templates in jaws with no or few teeth. Several anchor pins are placed in the template through corresponding sleeves.

- for 1.5 mm anchor pin drills and anchor pins
- for stabilisation of drilling templates



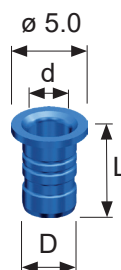
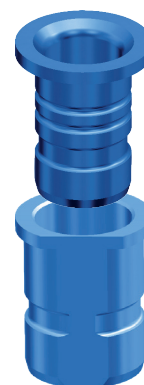
Anchor pin sleeves for NobelGuide pins

REF	D [mm]	d [mm]	L [mm]	PU
M.27.20.D150L10	3.5	1.5	10.0	10

Thommen Medical Titanium double sleeves

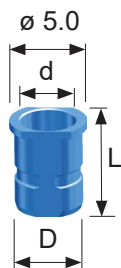
The double sleeve system was developed especially for the drill instruments of Thommen Medical. Tube-in-tube-principle. Not compatible with the universal titanium double sleeves!

- inner sleeves for VECTOdrill™ pilot drill \varnothing 2.0 and twist drill \varnothing 2.8 mm
- outer sleeves for VECTOdrill™ twist drill \varnothing 3.5 mm



Thommen Medical Titanium inner sleeves

REF	D [mm]	d [mm]	L [mm]	PU
M.27.25.D200L6	3.55	2.02	6.0	10
M.27.25.D280L6	3.55	2.88	6.0	10



Thommen Medical Titanium outer sleeve

REF	D [mm]	d [mm]	L [mm]	PU
M.27.25.D350L6	4.4	3.55	6.0	5

Radiodiagnostic planning

For radiographic diagnosis, the titanium reference balls are suitable. They help to determine whether the planned implant position is surgically feasible. There are less artifacts in the X-ray image than steel balls.

Titanium reference balls

- \varnothing 5.0 mm - simple planning tool, eg. for mucosal thickness
- \varnothing 2.5 mm - position marker



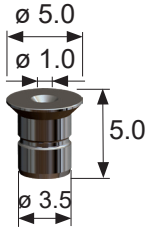
REF	D [mm]	PU
M.27.09.D500	5.0	10
M.27.09.D250	2.5	3



A preparation of obliterated root canals can be difficult because it cannot be controlled. With a 3D planning software the drilling canal is defined (e.g. with coDiagnostiX™ or other systems). Drill- and sleeve geometry can be integrated in the software and can be inserted into a milled or printed surgical template. The ATEC twist drill is precisely guided by the StecoGuide Endo-Sleeve.

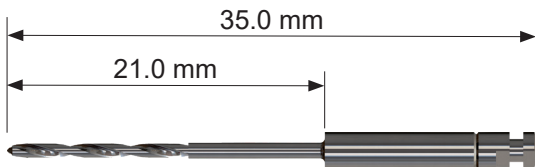


StecoGuide Endo-Sleeve for ATEC twist drill

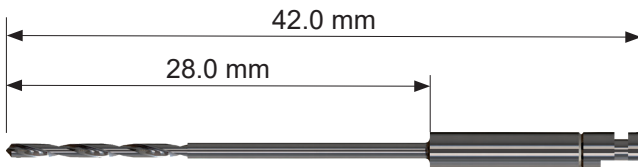


REF M.27.28.D100L5

ATEC Twist drill 1.0 mm



REF O.27.28.B044.051



REF O.27.28.B044.052

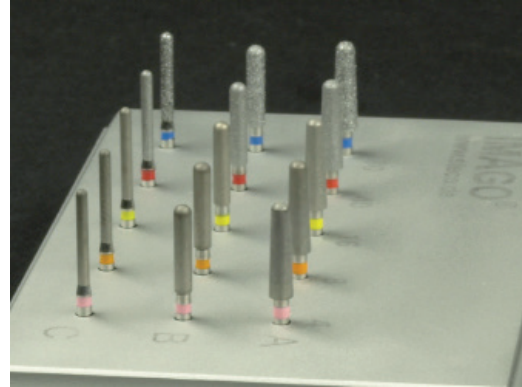
REF	D [mm]	d [mm]	L [mm]	PU
M.27.28.D100L5	3.5	1.0	5.0	10
O.27.28.B044.051	---	---	35.0	1
O.27.28.B044.052	---	---	42.0	1

System expansion:

Further drilling steps through StecoGuide outer and inner sleeves in different diameters are possible. With the tube-in-tube principle, several drills with different diameters can be guided in a template. We offer numerous sleeves with diameters from 1.16 mm to 3.50 mm. The endo-sleeve is compatible with our double sleeve system (outer sleeve \varnothing 3.5 mm)

Grinders for ZrO₂ attachments and telescopes

Conical or telescopic crowns and bridges made of zirconium dioxide or other high-performance ceramics need perfectly polished surfaces. Diamond grinders can be used to polish zirconium dioxide with a water-cooled turbine (without additional pastes). StecoGrind diamond grinders produce a polished surface in five increasingly finer steps (80, 40, 15, 8, 4 μm). The finest level has diamonds 4 μm in size, creating a glaze-like surface. No dry polishing is needed.



The grinders fit into any turbine handpiece with FG fitting (1.6 mm) and are available in 2 ° and 0 ° (ø 1.2 and 1.7 mm).

Shapes

- Fig. A (2°, ø 2.5) 
- Fig. B (0°, ø 1.79) 
- Fig. C (0°, ø 1.2) 































Grind starter set
The set includes all three figures (2° + 0° thick und 0° thin)
in all 5 grain sizes (80 µm bis 4 µm).



REF
S.44.01.S15

Grind diamond tools

Single order

Figure	Shape	Grain size	REF	Colour	Recommended speed
	A	80 µm	O.44.01.A80		300.000 rpm
	A	40 µm	O.44.01.A40		250.000 rpm
	A	15 µm	O.44.01.A15		200.000 rpm
	A	08 µm	O.44.01.A08		150.000 rpm
	A	04 µm	O.44.01.A04		120.000 rpm
	B	80 µm	O.44.01.B80		300.000 rpm
	B	40 µm	O.44.01.B40		250.000 rpm
	B	15 µm	O.44.01.B15		200.000 rpm
	B	08 µm	O.44.01.B08		150.000 rpm
	B	04 µm	O.44.01.B04		120.000 rpm
	C	80 µm	O.44.01.C80		300.000 rpm
	C	40 µm	O.44.01.C40		250.000 rpm
	C	15 µm	O.44.01.C15		200.000 rpm
	C	08 µm	O.44.01.C08		150.000 rpm
	C	04 µm	O.44.01.C04		120.000 rpm

Equipment C.M. turbine

Description	REF
Rotor with ceramic bearings	R.44.06.K-ROT01
Grease 6er refill	O.44.06.Nachfüllfett
Grease cartridge	O.44.06.FETT
Cleaning needle	O.44.06.N01



Consultation and order

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Skype: steco.beratung2

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|--|
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we cannot give a credit |
|--|

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