

Product catalog facial prosthetics



magnetic attachments implant planning impression prosthesis magnets titanium sleeves Titanmagnetics®
impression magnets impression silikon coOrdination® magnetics attachments implant planning StecoForm®
sleeves implants **magnetic attachments** implant planning impression prosthesis magnets

titanium sleeves Titanmagnetics® Steco® i nts impression silikon coOrdination® magnetics
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StecoForm® **sleeves** ning prosthesis magnets titanium

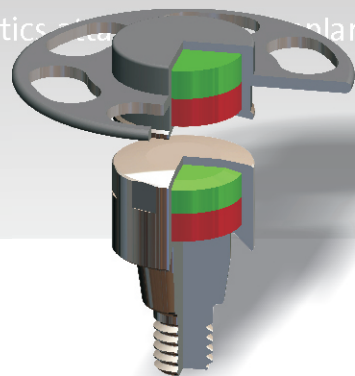
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magnetics co implant plan implants magnetic attachments implant



Titanmagnetics®

coOrdination®





StecoFlex®

Your customer number:




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Preamble



Director Hjalmar Stemmann
Graduate Economist and
Certified Dental Technician



Wir machen mit!

Dear Anaplastologist,

Welcome to Steco! We invite you to get to know us and our products.

Our family run business steco-system-technik was founded in 1996 by my father and me. However, our dental roots dated back over 100 years when my Great-Grandfather came back to Hamburg (Germany) as dental artist from his wanderings after barber apprenticeship. In the late nineteenth century prostheses from the novel material Caoutchouc gave dentistry and also the facial prosthetics a new direction. For the first time it was possible to achieve aesthetically acceptable results with an exogenous substance. The development of methyl methacrylate in the 1930s was the next big step. Using today silicones and magnets facial prosthetics has once again made a great leap.

The development of application-oriented products has been in the heart of our work since the inventiveness influenced dawn of our history . In dental implant prosthetics we support the idea of magnetic anchoring since the early 1980s. Together with users, we develop our products continuously. Also the proven can be improved in detail. This means that our products are known worldwide for outstanding quality. Current scientific discussions also show that the magnetic anchoring today is the gold standard in the attachment of prostheses.

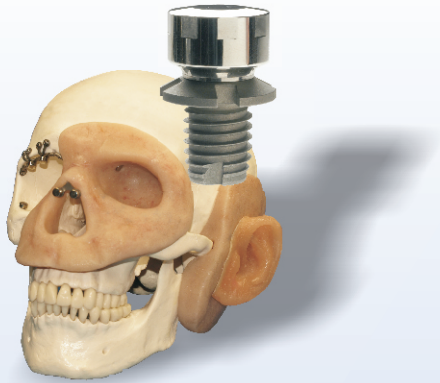
In addition to the magnetic implant abutments (Titanmagnetics®) for all major implant systems, we offer an extensive system of drill sleeves (coOrdination®) for implant planning. In 2013 we introduced the impression material StecoForm® Flex (formerly EPIFORM-flex from Dreve®, Germany). In our Dental catalog you will find also dental tools and equipment for all-ceramic processing (IMAGO®) . For questions about our products contact our dedicated and friendly staff. We will find in (almost) all cases a solution.

We appreciate your interest in our products.

Hjalmar Stemmann

Hjalmar Stemmann
Managing Director, Owner





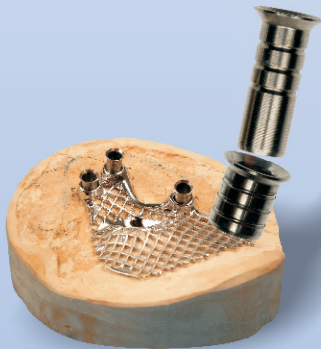
Titanmagnetics®

- Simply attractive
- Quickly handled
- Safely attach



StecoForm® Flex

- Soft silicone
- Proven quality
- Precise impression



coOrdination®

- Flexible planning
- Precise drilling
- Better implant



Service

- Competent medical product advisors
- Quality is our hallmark
- Friendly employees

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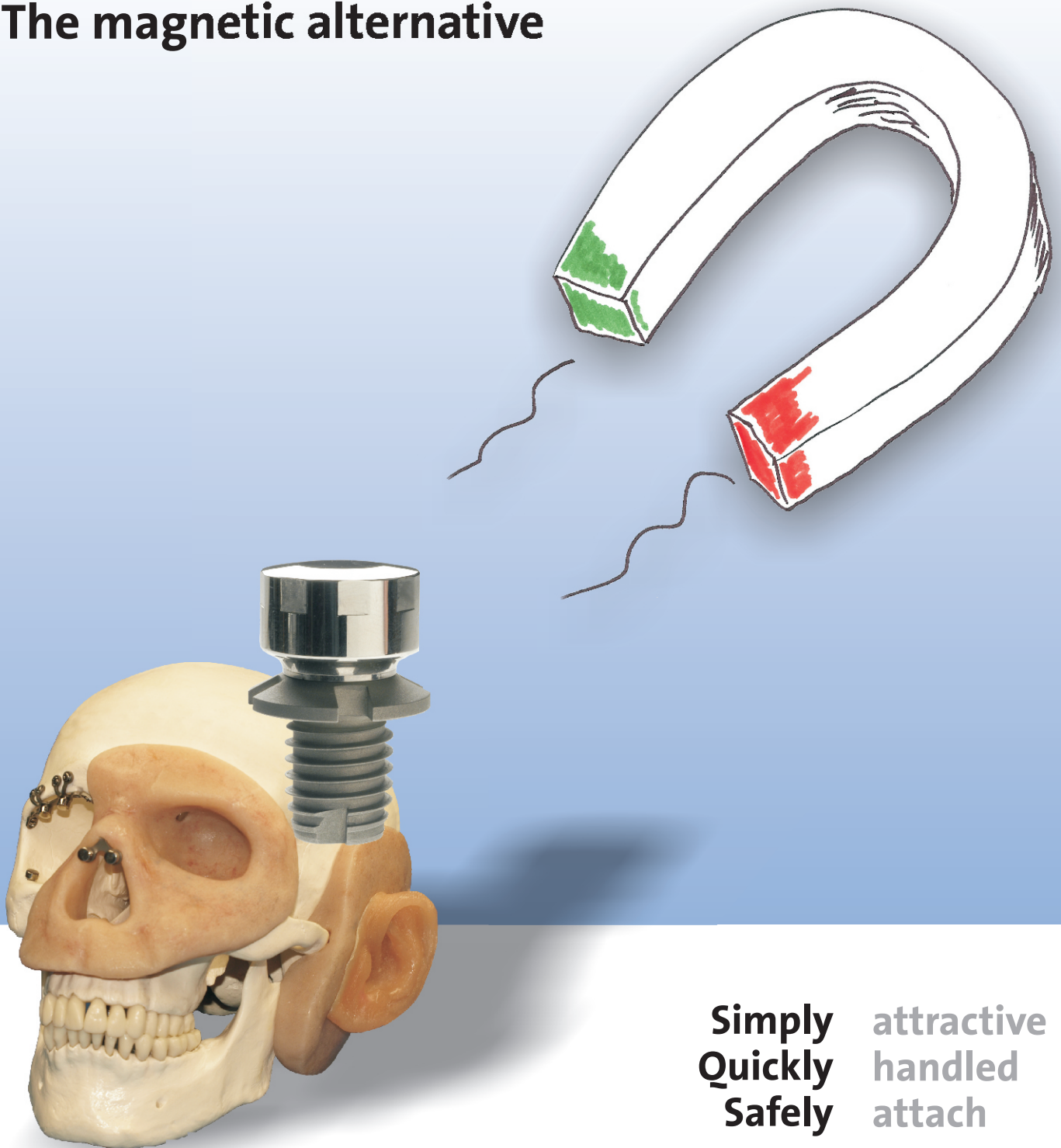
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All products marked with an asterisk *) refer to products exclusively distributed via implant manufacturers. Original order numbers of the distribution partners can be found on page 34 and 35. For the correctness of the product numbers of the foreign manufactured products we don't take over guarantee.

The information presented in this and the following pages implant names are trademarks of their respective manufacturers.

Not every product is available in every country. Information, please contact your implant manufacturer or local distributor of steco-system-technic GmbH & Co. KG.

The magnetic alternative



Titanmagnetics® principle

The system

The Titanmagnetics® system consists of implant-specific and product lines-specific universal parts. The one-piece implant inserts are available, depending on the implant system, in various heights to be optimally adapted to the mucosal thickness of the patient. Titanmagnetics® inserts are screwed with the help of special ratchet inserts into the implants.

Universal products are denture magnets, impression posts, laboratory replicas, torque wrench inserts and positioning cuffs.

For extra-oral application, there are special prostheses magnets with retention for silicone and special forms with additional lateral support.

Simply attractiv

Titanmagnetics® are characterized by a simple handling. The prosthesis finds its way in incorporating apparently by itself, which is advantageous above all for muscular impaired patients.

By the highly polished undercut-free surfaces (roughness 0.5-0.6µm) Titanmagnetics® are easy to clean for patients or caregivers.

Quickly handled

Titanmagnetics® quickly can be incorporated into existing prostheses. In addition to the quickly and economical chairside treatment the system components also allow the proven laboratory process.

Safely attach

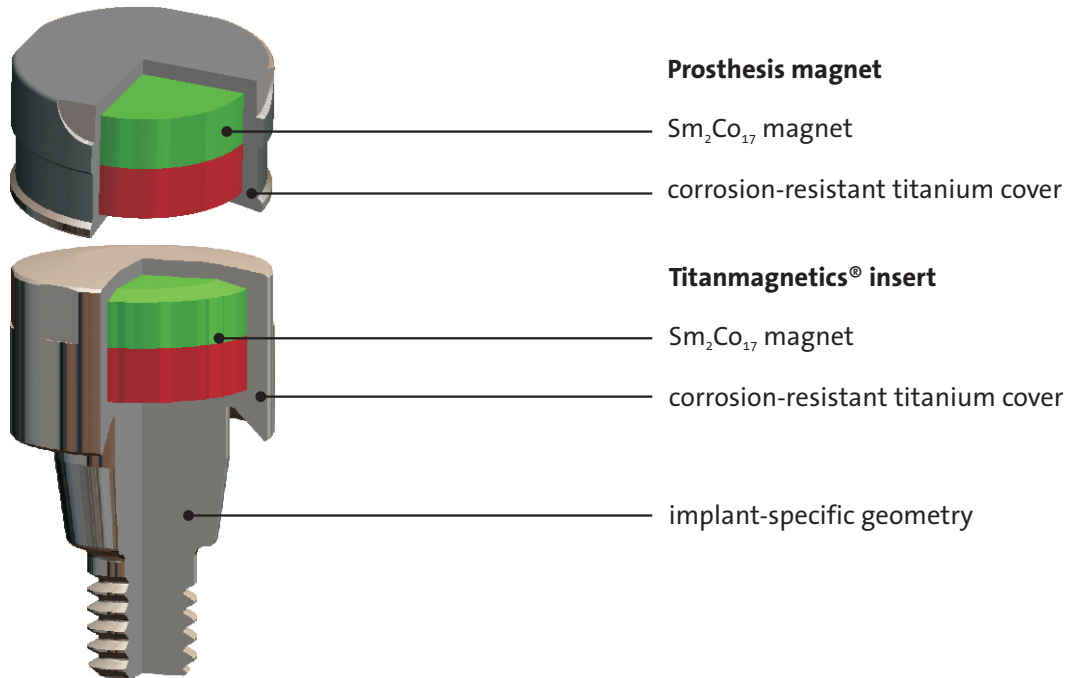
Titanmagnetics® are a unique magnet system with two active magnets. A magnet is screwed into the implant or glued into a root cap. The counter-magnet is glued into the prosthesis. This design principle pulls the magnets over a longer distance than is the case with mono magnet systems.

For Titanmagnetics® are $\text{Sm}_2\text{Co}_{17}$ (Samarium Cobalt) magnets used, because they can withstand higher temperatures (>250 °C / 482 °F). Therefore Titanmagnetics® can be sterilized in the autoclave.

The magnetic cells are welded gas-tightly in surgical titanium to make Titanmagnetics® corrosion proof.

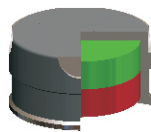
Titanmagnetics® principle

Basic structure

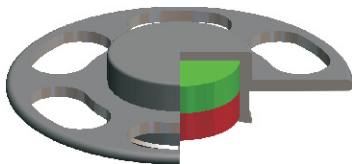


Prosthesis magnets

**Prosthesis magnet for acrylic
with anti rotation notches**



**Prosthesis magnet for silicone
with retention ring**

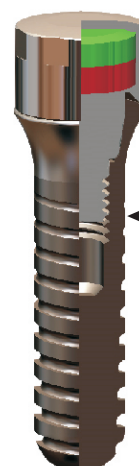


Titanmagnetics® insert



← Torque wrench insert

The insert is screwed directly into the implant. For this purpose the appropriate torque wrench insert is used. The insert is tightened with 20 Ncm.



← Titanmagnetics® insert

← Implant

Titanmagnetics® product lines

Product lines

Through various product lines Titanmagnetics® meet all requirements of the hybrid prosthetics.

The product lines differ in their shape, their removal force and in the lateral stability. The slightly curved surface of the spherical Titanmagnetics® X-Line and the Z-Line works self centering and has the lowest lateral force introduction into the implant. X-Line and Z-Line Titanmagnetics® are therefore particularly suitable for short implants. By the absence of the lateral steering they are also applicable on highly divergent implants.

Titanmagnetics® K-Line takes with its conical shape (10°) also lateral forces and stabilized prostheses against lateral displacement. For Titanmagnetics® K-Line implants with a minimum length of 12 mm are recommended.

The Titanmagnetics® T-Line was developed exclusively for extraoral use. The telescopic bearing of 2.5 mm allows the facial prosthesis secure fixation on the tissue. At the same time it allows a certain rotation and axial movement without losing the withdrawal force.

Product line	<i>X-Line</i>	<i>Z-Line</i>	<i>K-Line</i>	<i>T-Line</i>
Headdiameter	4.8 mm	5.8 mm	5.2 mm	5.8 mm
Withdrawal force	1.6 N (163 g)	3.0 N (300 g)	1.6 N (163 g)	1.4 N (143 g)
Height prosthesis magnet	2.65 mm	3.15 mm	5.0 mm	5.70 mm
Height insert [in the product number is the height described by the number after the letter for the product line]				
Minimal space requirements (depending on the height of the insert)	ø 4.8 x 6 mm	ø 5.8 x 8 mm	ø 5.2 x 8 mm	ø 5.8 x 11 mm <i>especially for facial prosthetics</i>

Reuseability / cleaning

Original-Titanmagnetics® are cleaned under high hygiene standards before packaging. Titanmagnetics® inserts may be sterilized prior to the mounting to the implant within the undamaged original packaging. Inserts and prosthetics magnets are provided for single use in one patient. Transferring into a new facial prosthesis or another patient voids the warranty.

Titanmagnetics® product lines

Titanmagnetics® impression post

Magnetic impression without screws.

The impression posts are matched to the functional surfaces of the respective product line. With the integrated magnets they lock themselves on the insert. The outer geometry allows a secure fixation in the impression material.

For the hard to reach orbita special impression posts (only X-Line) with shorter lip are offered.

For the K-line of the prostheses magnet can be used for taking impressions.

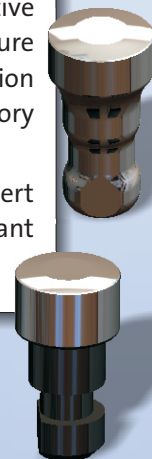


Titanmagnetics® laboratory replica

Model production - quick and hygienic

The model analogues have specific surfaces according to the respective product line but without wrench flats. The exterior geometry ensures a secure fixation in the model material. Thanks to the built-in magnet they position themselves in the impression post. Alternatively a cost-efficient laboratory replica made of magnetic stainless steel is available.

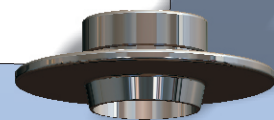
By using the impression- and model parts the use of the original implant insert on the model is avoided. This avoids time-consuming cleaning of implant inserts.



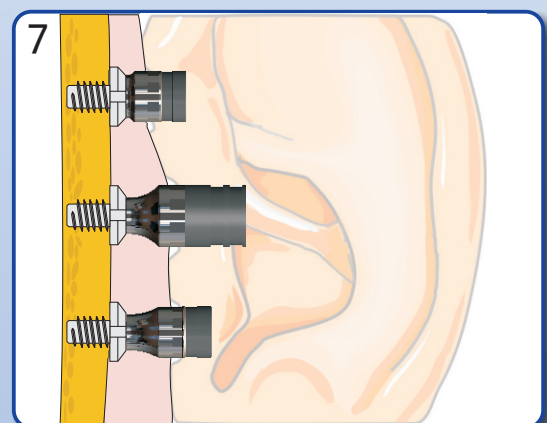
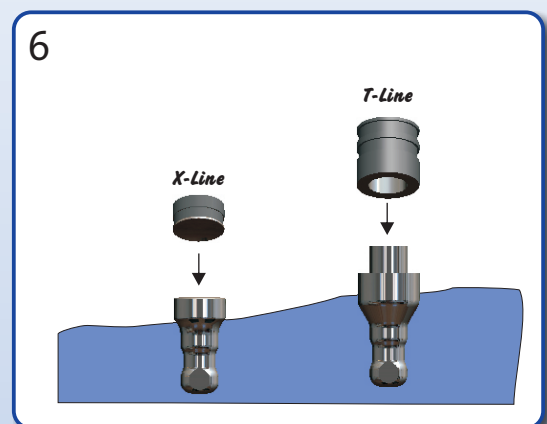
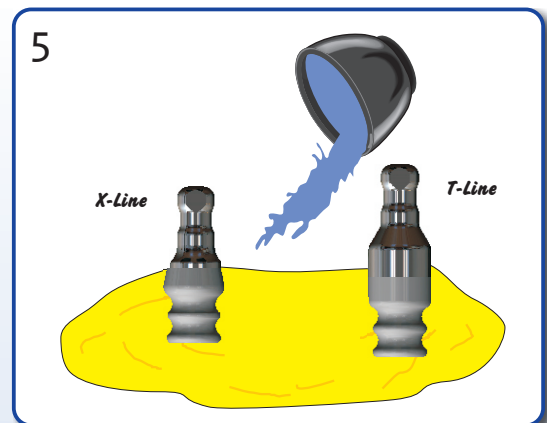
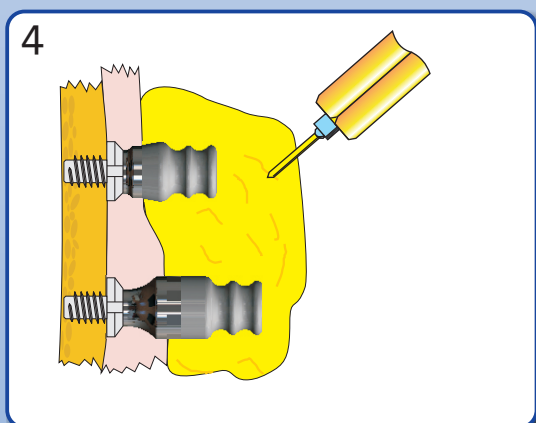
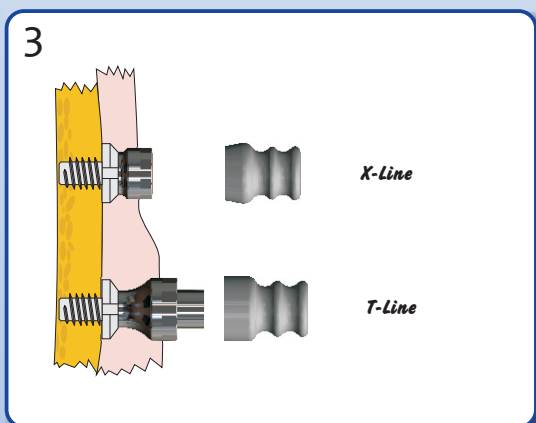
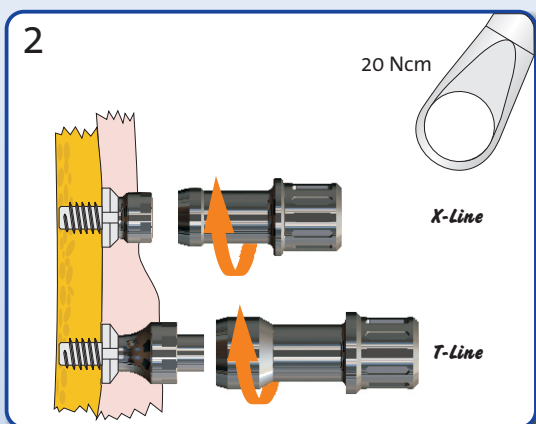
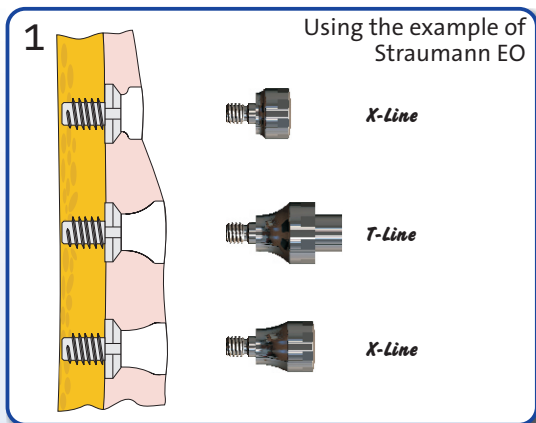
Titanmagnetics® Healing-Flange

The Titanmagnetics® Healing-Flange is placed on the Titanmagnetics® insert to stabilize the bandage on fresh skin perforation tissue after application of Titanmagnetics® insert. It minimizes an excessive tissue proliferation.

The Titanmagnetics® Healing-Flange has its own magnet core and is made off tissue friendly titanium.









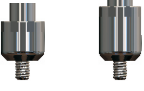































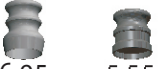
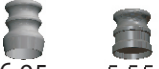







Step-by-Step to the facial prostheses



Possible implant positions			
<p>Ear</p> <p>Beisp. links</p>		<p>Nose</p>	
<p>Orbita</p> <p>Example on the left</p>		<p>● 2 Implants</p> <p>● 3 Implants</p>	

Other arrangements and product lines are possible!

General Survey

	<i>X-Line</i>	<i>Z-Line</i>	<i>K-Line</i>	<i>T-Line</i>
Headdiameter	4.8 mm	5.8 mm	5.2 mm	5.8 mm
Withdrawal force	1.6 N 163 g	3.0 N 306 g	1.6 N 163 g	1.4 N 143 g
Ankylos-EO (page 14) Friadent	Distance height [mm] 5.40 6.90 8.90 	6.10 		5.90 
External hexagon (page 17) - Vistafix Generation II (Cochlear) - Ponto (Oticon) - IE (Southern Implants) Implant platform RP Brånemark compatible	Distance height [mm] 3.50 5.00 6.50 	4.75 6.00 	3.00 4.50 6.00 	5.20 7.20 
Vistafix (page 15) Cochlear (formerly Entific)	Distance height [mm] 3.70 7.35  			
EO (page 14) Straumann	Distance height [mm] 3.25 5.50 		3.00 	5.50 
Epitec-Grid (page 15) Stryker-Leibinger * additional distance height see page 15	Distance height [mm] 3.00* 4.20  	3.80 4.60  	2.00* 	3.00* 4.50  
Impladent (page 16) Lasak	Distance height [mm] 3.00 4.50 		2.25 3.50 	
Ti-Epiplating (page 16) Medicon * additional distance height see page 16	Distance height [mm] 2.60* 2.60  	4.50 	2.50 2.00  	4.00 3.00  
Prosthesis magnet (page 18) for acrylic Distance height [mm] 2.65  Plan view  for silicone	2.65 	3.15 	5.00 	5.70 
Prosthesis magnet with collar (page 18) for acrylic Distance height [mm] 2.65  Cross section  for silicone	2.65 	3.15 		
Impression post (page 19) Distance height [mm] 6.95 5.55 	6.95 5.55 	6.95 	Please use prosthesis magnet for impression!	7.50 
Laboratory replica (page 19) Distance height [mm] 9.00 	9.00 	10.00 	7.50 	10.50 
Torque wrench insert (page 20)	For all implant-systems fitting torque wrench inserts are available. For Z-Line inserts also torque wrench inserts of T-Line can be used.			

Ankylos-EO [Dentsply Friadent]

	<i>X-Line</i>			<i>Z-Line</i>	<i>T-Line</i>
H	5.40 mm	6.90 mm	8.90 mm	6.10 mm	5.90 mm
REF	I.03.03.X540	I.03.03.X690	I.03.03.X890	I.03.03.Z610	I.03.03.T590

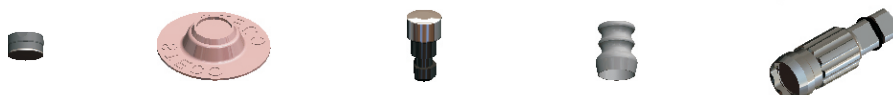
EO. Ø 3.50 [Straumann]

	<i>X-Line</i>		<i>K-Line</i>	<i>T-Line</i>
H	3.25 mm	5.50 mm	3.00 mm	5.50 mm
REF	048.517*	048.518*	I.36.01.K300	048.519*

* Orders can be placed via your local Straumann branch!






Equipment (here for example X-Line)








Prosthesis magnet + Positioning cuff + Laboratory replica + Impression post + Torque wrench insert






Order numbers can be found on pages 18 to 20.

Epitec-Grid, direct \varnothing 4.00 [Stryker-Leibinger]

	<i>X-Line</i>				<i>Z-Line</i>
					
H	3.00 mm	4.50 mm	6.00 mm	8.00 mm	3.80 mm
REF	I.11.01.X300	I.11.01.X450	I.11.01.X600	I.11.01.X800	I.11.01.Z380

	<i>K-Line</i>				<i>T-Line</i>		
							
H	2.00 mm	5.00 mm	6.00 mm	7.50 mm	3.00 mm	6.00 mm	7.50 mm
REF	I.11.01.K200	I.11.01.K500	I.11.01.K600	I.11.01.K750	I.11.01.T300	I.11.01.T600	I.11.01.T750

Epitec-Grid, Implant post \varnothing 4.50 [Stryker-Leibinger]

	<i>X-Line</i>	<i>Z-Line</i>	<i>T-Line</i>
			
H	4.20 mm	4.60 mm	4.50 mm
REF	I.11.02.X420	I.11.02.Z460	I.11.02.T450





Equipment (here for example X-Line)

Prosthesis magnet + Positioning cuff + Laboratory replica + Impression post + Torque wrench insert










Order numbers can be found on pages 18 to 20.

Impladent, ϕ 3.70 [Lasak]




	<i>X-Line</i>		<i>K-Line</i>	
				
H	3.00 mm	4.50 mm	2.25 mm	3.50 mm
REF	I.50.01.X300*	I.50.01.X450*	I.50.01.K225*	I.50.01.K350*

*Orders can be made via the company Lasak!

Ti-Epiplating, for epithesis plates [Medicon]

	<i>X-Line</i>			<i>Z-Line</i>	<i>K-Line</i>		<i>T-Line</i>
							
H	2.60 mm	4.50 mm	6.00 mm	4.50 mm	2.50 mm	4.50 mm	4.00 mm
REF	68.80.68*	I.34.01.X450	I.34.01.X600	I.34.01.Z450	I.34.01.K250	I.34.01.K450	I.34.01.T400

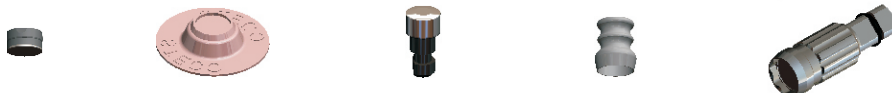
Ti-Epiplating, for base post [Medicon]

	<i>X-Line</i>	<i>K-Line</i>	<i>T-Line</i>
			
H	2.60 mm	2.00 mm	3.00 mm
REF	68.80.69*	I.34.02.K200	I.34.02.T300

*Orders can be made via the company Medicon!








Equipment (here for example X-Line)







Prosthesis magnet + Positioning cuff + Laboratory replica + Impression post + Torque wrench insert




Order numbers can be found on pages 18 to 20.

**External hexagon - Vistafix Generation II [Cochlear/Brånemark/Entific],
Ponto [Oticon Medical], IE (Southern Implants)]**


<i>X-Line</i>				<i>K-Line</i>		
						
H 3.50 mm	5.00 mm	6.50 mm	8.00 mm	3.00 mm	4.50 mm	6.00 mm
REF I.02.01.X350	I.02.01.X500	I.02.01.X650	I.02.01.X800	I.02.01.K300	I.02.01.K450	I.02.01.K600

<i>Z-Line</i>				<i>T-Line</i>	
					
H 4.75 mm	6.00 mm	7.00 mm	8.00 mm	5.20 mm	7.20 mm
REF I.02.01.Z475	I.02.01.Z600	I.02.01.Z700	I.02.01.Z800	I.02.01.T520	I.02.01.T720

Vistafix, Console spacer [Cochlear] (formerly Entific)

<i>X-Line</i>	
	
H 3.70 mm	
REF I.02.02.X370	

Vistafix, Angulated Abutment [Cochlear] (formerly Entific)

<i>X-Line</i>	
	
H 7.35 mm	
REF I.02.05.X735	

Equipment (here for example X-Line)

Prosthesis magnet + Positioning cuff + Laboratory replica + Impression post + Torque wrench insert



Order numbers can be found on pages 18 to 20.

Universal products

Prosthesis magnets

	<i>X-Line</i>		<i>Z-Line</i>		<i>K-Line</i>		<i>T-Line</i>	
	for acrylic	for silicone	for acrylic	for silicone	for acrylic	for silicone	for acrylic	for silicone
H	2.65 mm	2.65 mm	3.15 mm	3.15 mm	5.00 mm	5.00 mm	5.70 mm	5.70 mm
REF	U.00.01.X265R	U.00.02.X265	U.00.01.Z315	U.00.02.Z315	U.00.01.K500	U.00.02.K500	U.00.01.T570	U.00.02.T570







Prosthesis magnets with collar

	<i>X-Line</i>		<i>Z-Line</i>	
	for acrylic	for silicone	for acrylic	for silicone
H	2.65 mm	2.65 mm	3.15 mm	3.15 mm
REF	U.00.01.X265K	U.00.02.X265K	U.00.01.Z315K	U.00.02.Z315K

Obturator magnets






	<i>X-Line</i>		<i>Z-Line</i>
H	2.50 mm	2.50 mm	3.00 mm
REF	V.00.01.X250	V.00.02.X250	V.00.01.Z300

Positioning cuffs / Resilience ring

	<i>X-Line</i>		<i>Z-Line</i>	<i>K-Line</i>		
	Nr. 1	Nr. 2		Nr. 1	Nr. 2	
						
	supragingival	subgingival	supragingival	supragingival	subgingival	Resilience ring
H	0.30 mm	0.30 mm	0.50 mm	0.00 mm	0.00 mm	0.30 mm
REF	P.00.01.X1	P.00.01.X2	P.00.03.Z1	P.00.01.K1	P.00.01.K2	P.00.05.K1






Universal products

Impression posts



	<i>X-Line</i>		<i>Z-Line</i>	<i>K-Line</i>	<i>T-Line</i>
					
H	6.95 mm	5.50 mm	6.95 mm	5.00 mm	7.50 mm
REF	A.00.02.X695	A.00.01.X550	A.00.02.Z695	U.00.01.K500*	A.00.02.T750

*for impression use the prosthesis magnet!

Laboratory replica

	<i>X-Line</i>		<i>Z-Line</i>	<i>K-Line</i>	<i>T-Line</i>
					
	stainless steel				
H	9.00 mm	9.00 mm	10.00 mm	7.50 mm	10.50 mm
REF	M.00.01.X900	M.00.05.X900	M.00.01.Z1000	M.00.01.K750	M.00.01.T1050

Healing Flange

	<i>X-Line</i>	<i>T-Line</i>
		
H	4,20 mm	7,20 mm
REF	E.00.04.X1	E.00.04.T2

Torque wrench inserts

Torque wrench insert for Epitec [Stryker-Leibinger]

	<i>X-Line</i>	<i>K-Line</i>	<i>T-Line**</i>
L	12.00 mm	14.35 mm	14.70 mm
REF	H.11.01.X1	H.11.01.K1	H.11.01.T1

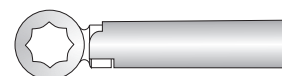
Torque wrench insert for Straumann [Straumann]

	<i>X-Line</i>	<i>K-Line</i>	<i>T-Line**</i>
L	16.75 mm	19.10 mm	19.45 mm
REF	046.146*	H.01.01.K1	H.01.01.T1

Torque wrench insert for square connection - Fits to Dynatorq, Dentsply (old), Paragon, Screw-Vent, Steri-Oss

	<i>X-Line</i>	<i>K-Line</i>	<i>T-Line**</i>
L	18.25 mm	20.60 mm	20.95 mm
REF	H.00.04.X1	H.00.04.K1	H.00.04.T1

Torque wrench with
square connection



Dynatorq, 20 Ncm
O.00.01.N20

Torque wrench insert for ISO 204 (contra angle)

	<i>X-Line</i>	<i>K-Line</i>	<i>T-Line**</i>
L	25.80 mm	28.10 mm	28.50 mm
REF	H.00.04.X2	H.00.04.K2	H.00.04.T2

Torque wrench insert for Hexagon connection- Fits to Bredent, Camlog, IMZ, prowital

	<i>X-Line</i>	<i>K-Line</i>	<i>T-Line**</i>
L	16.75 mm	19.10 mm	19.45 mm
REF	H.00.04.X3	H.00.04.K3	H.00.04.T3

** Z-Line inserts can be screwed in also with the torque wrench inserts of T-Line!

Distributors Titanmagnetics

Distributors

All with *) asterisk marked product numbers are distributed exclusively by implant manufacturers. The universal prosthesis magnet, impression post and laboratory replica can also be ordered from the companies specified. Below you will find the German telephone numbers and website of our partners.

For the correctness of the product numbers of the exclusively distributed products we assume no liability. Please contact the respective distributor.

EO [Straumann]

Telephone Germany	+49 (0)761- 45 013-333
Switzerland	+41 (0)61 - 965 11 11
Austria	+43 (0)1 - 294 06 60
Netherlands	+31 (0)30 - 604 66 11
Belgium	+32 (0)2 - 790 10 00

www.straumann.de

X-Line

Insert H 3.25	048.517
Insert H 5.50	048.518
Prosthesis magnet	048.515
Positioning cuff No. 1	048.516
Impression post	048.014
Laboratory replica	048.121
Torque wrench insert	046.146

T-Line

Insert H 5.50	048.519
Prosthesis magnet	048.537
Impression post	048.535
Laboratory replica	048.536

Impladent [Lasak]

Telephone +42 (0) 224 - 315 663
www.lasak.com

X-Line

Insert ø 3.7 H 3.0	I.50.01.X300
Insert ø 3.7 H 4.5	I.50.01.X450
Prosthesis magnet	U.00.01.X265
Torque wrench insert	H.00.04.X2

K-Line

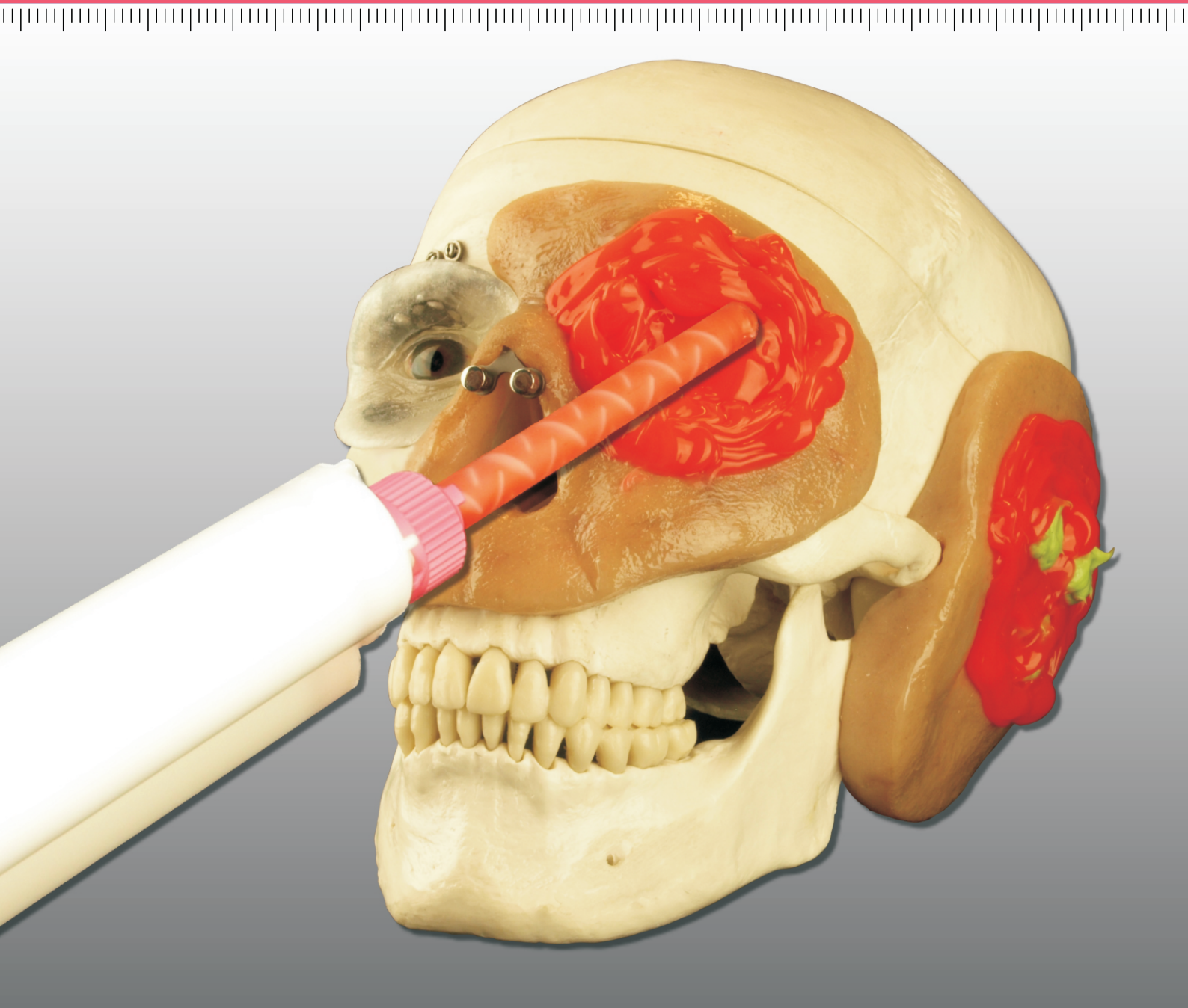
Insert ø 3.7 H 2.25	I.50.01.K225
Insert ø 3.7 H 3.5	I.50.01.K350
Prosthesis magnet	U.00.01.K500
Torque wrench insert	H.00.04.K2

Ti-Epiplating [Medicon]

Telephone +49 (0)7462 - 701-700
www.medicon.de

X-Line

Insert for epithesis plates H 2.6	68.80.68
Insert for base post H 2.6	68.80.69



Soft silicone
Proven quality
Precise impression

Description

StecoForm Flex is an addition vulcanizing impression silicone for facial prosthetics

With its low hardness and thixotrope behaviour StecoForm Flex is especially advantageous for the impression of undercuts in facial and defect prosthetics.

StecoForm Flex (medium viscous - type 2) is identical to the well known and popular impression material Epiform Flex by Dreve Dentamid. It comes in the commonly known 50 ml double cartridges.

StecoForm® Flex

Double cartridges
packaging unit: 8 pieces



REF A.57.01.050

Starterset
2 double cartridges + 5 mixing tips



REF S.57.01.2DK5MK
Content: 2 double cartridges (à 50 ml)
5 mixing tips (pink)

Mixing tips (pink)
packaging unit: 50 pieces



REF O.57.MK5.4-12D

Technical data

- final hardness: 12 Shore A
- processing time: 1:30 min \pm 15 s
- deflasking time at 37° C: 3 min \pm 1 min
- Linear change of measures: < 0.1 %
- Deformation under pressure: 16.1 \pm 0.5 %
- Recovery from deformation: > 95 %
- Color: orange

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One sleeve is not enough



Flexible planning
Precise drilling
Better implant

Flexible Planning

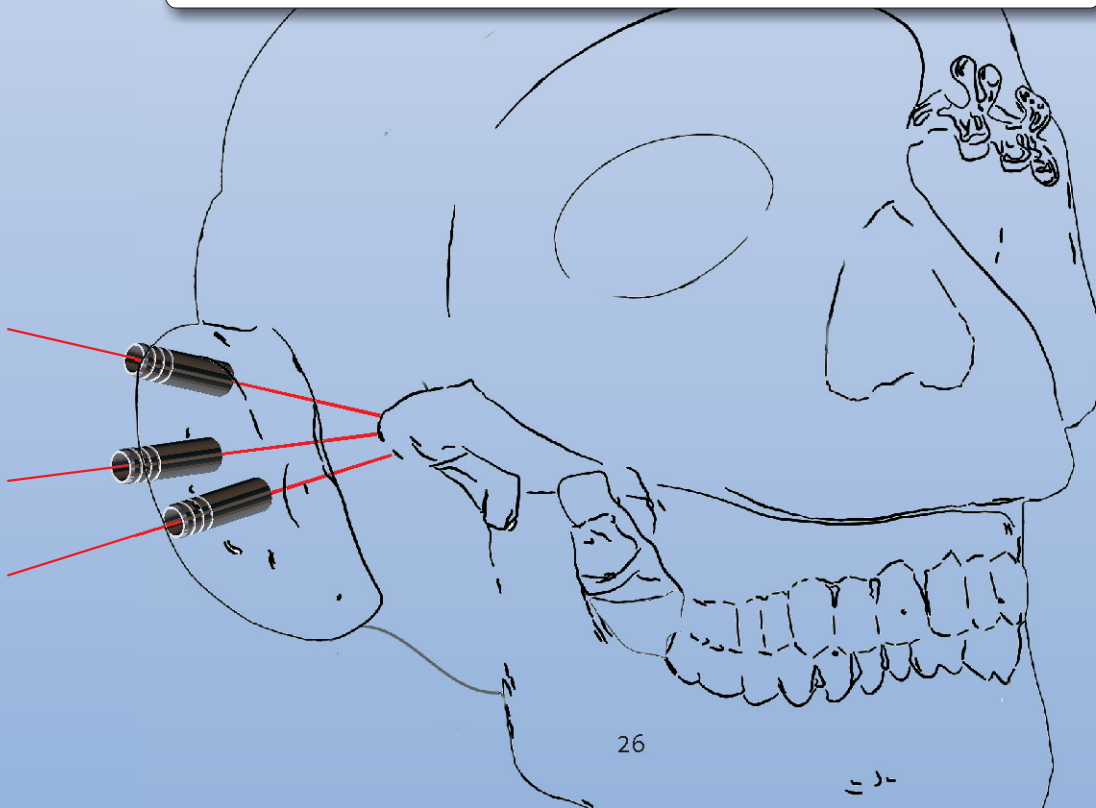
The pre surgical planning plays a growing role for security reasons. Using three-dimensional radiological diagnostics and prosthetic requirements can already include in the implant planning. The drill sleeve system coOrdination® provides suitable titanium sleeves for various planning systems. Partly Steco titanium sleeves are already implemented in the planning software or there can be freely defined. System-specific accessories enables an efficient manufacturing of surgical templates in the dental and facial prosthetics laboratory.

Precise Drilling

The implementation of guided surgery and implant planning allows a higher precision and reproducibility than the free-handed implanting. Titanium sleeves are offered in many different shapes and diameters and can therefore be optimally adapted to the surgical instruments.

Better Implant

By surgical implant planning and its implementation can be placed implants according to the anatomical conditions of the patient. Implants can be selected and inserted to support the desired prosthetic result optimally. The success of treatment is thus predictable. All available options can be adjusted by the doctor already in treatment planning with the patient and the dental technician or the anaplastologist.

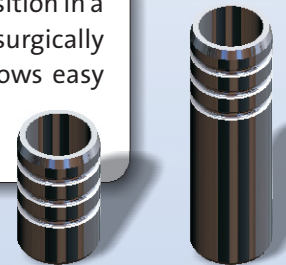


Planning sleeves - Drill sleeves

Implant planning begins with the planning process on the diagnostic plaster model and does not end on the template-guided inserting the implant with an emergency supply. The complexity of the case treatment justifies a more or less great effort in planning the implant. A reasonable implant planning are forensic security and allows an optimized calculation of costs. Unpleasant surprises during the prosthetic implementation can be avoided.

Titanium Single sleeves

Titanium single sleeves provide an access to the template-based implant planning; they are made of titanium and can be measured and analyzed by their cylindrical shape and the clear dimensions (10 and 5 mm long, 3.0 mm diameter) excellently in OPG, CT and DVT. Therefore they are suitable for use in planning templates. In the laboratory the sleeves are placed on the prosthetic meaningful position in a planning template. In radiological evaluation can be seen whether the proposed position is surgically feasible. The inner diameter (\varnothing 2.35 mm) corresponds to the standard drill shaft and allows easy surgical management such as for the rose drill for center punching.



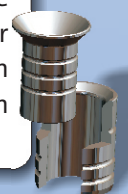
Titanium double sleeves

The system of double sleeves containing outer sleeves that are firmly fixed on the drilling template and inner tubes with different diameters that exactly fit into the outer sleeve (tube in tube). Thus a single template can be adapted to various drill bit diameters. The sleeves are made of titanium and equipped with a funnel-shaped opening to facilitate access to the drill. Retention grooves on the outer side serve to better secure to the template acrylic or glue. Special template drills for the laboratory are designed like the external geometry of the sleeves. They leave a press fit and allow a rational template production possible without gluing the sleeves. Outer and inner sleeves are available in two different lengths.





Titanium open outer sleeve

Surgeons are often affected by limited space to access the drill sleeve with the drill during surgery. For these cases an open outer sleeve is offered. This sleeve is opened over the whole length in a width of the drill that fits through the largest inner sleeve to allow the drill to be accessed from the side. In the lower part of the open outer sleeve the inner sleeve will be guided. In the upper part the inner sleeve can access from the side as well. The sleeve holder for outer sleeves can be used to position and fix the open outer sleeve in the template.



Titanium single sleeves and titanium balls

Titanium single sleeves D 3.00 mm

		
d	2.35 mm	2.35 mm
L	5.00 mm	10.00 mm
REF	M.27.01.D235L5	M.27.01.D235

Packaging unit = 10 pieces
Bulk price 20 pieces (2 packs) possible.

D = Outside diameter

d = Inside diameter

L = Length



Accessories



Template drill
for single sleeves



REF M.27.01.B300



Pressing tool
for single sleeves

REF M.27.01.E235

Titanium Reference balls

		
D	2.50 mm	5.00 mm
REF	M.27.09.D250	M.27.09.D500

Titanium reference balls (ø 5.0 mm diameter) can be used as a simple planning tool, such as for radiological control of the mucosal thickness.

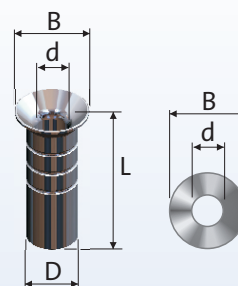
The small titanium reference balls (ø 2.5 mm) are used as position markers.

Packaging units
ø 2.5 = 3 pieces
ø 5.0 = 10 pieces (Bulk price 20 pieces (2 packs) possible.)

Titanium double sleeves

Titanium outer sleeves D 4.00 mm

			
d	3.50 mm	3.50 mm	3.50 mm
L	5.00 mm	6.00 mm	6.00 mm
REF	M.27.02.D350L5	M.27.02.D350	M.27.18.D350



Titanium inner sleeves D 3.50 mm

					
d	1.50 mm	1.60 mm	2.00 mm	2.00 mm	2.20 mm
L	6.00 mm	6.00 mm	10.00 mm	6.00 mm	6.00 mm
REF	M.27.03.D150L6	M.27.03.D160L6	M.27.03.D200	M.27.03.D200L6	M.27.03.D220L6

				
d	2.35 mm	2.35 mm	2.50 mm	2.80 mm
L	10.00 mm	6.00 mm	6.00 mm	6.00 mm
REF	M.27.03.D235	M.27.03.D235L6	M.27.03.D250L6	M.27.03.D280L6

D = Outside diameter

d = Inside diameter

L = Length

B = funnel diameter
ø 5.00 mm

Packaging unit = 10 pieces

Bulk price 20 pieces (2 packs) possible.

Accessories



Sleeve holder for outer sleeves
Outside-ø 4.0 mm M.27.15.H350



Template drill for outer sleeves
Outside-ø 4.0 mm M.27.02.B400



Template drill for Inner sleeves
Outside-ø 3.5 mm M.27.03.B350



Pressing tool for outer sleeves
Inside-ø 3.5 mm M.27.02.E350

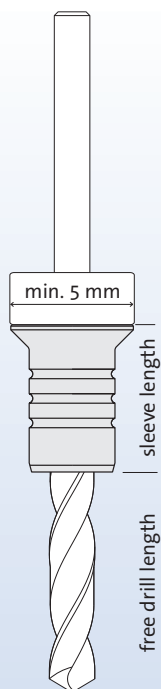


Pressing tool for inner sleeves
Inside-ø 2.0 mm M.27.03.E200



Pressing tool for inner sleeves
Inside-ø 2.35 mm M.27.03.E235

Depth stop for double sleeves



Requirements

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.

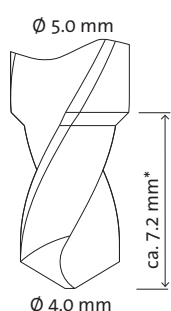
It has to be made sure that the drill fits the sleeve correctly in advance. Please refer to instruction for use for further information. Conical shaped drills cannot be guided in a cylindrical sleeve.

- o Which drill shall be used? Does the drill fit the sleeve? (check in advance!)
- o Which sleeve should be used?
- o Does the drill have a depth stop > 5.0 mm?
- o Distance between drill tip and depth stop is larger than implant plus sleeve length.

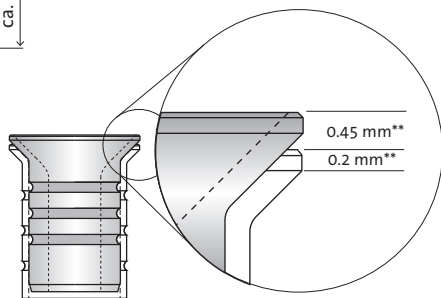
By using the template drill for inner or outer sleeve a hole is made that gives the shape of the sleeves outer surface. By choosing the sleeve diameter within the software it has to be considered that the inner sleeve sits 0.45 mm on the outer sleeve. Depending on the usage of inner sleeve and/or outer sleeve this distance has to be considered within planning. All provided measures may vary due to production tolerances.

For detailed instructions for setting the depth for the use of the titanium double sleeves with depth stop at the Straumann® coDiagnostiX™ visit our website www.steco.de.

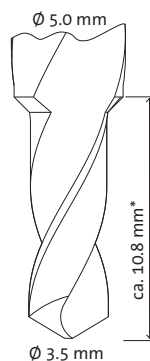
Titanium double sleeves with depth stop



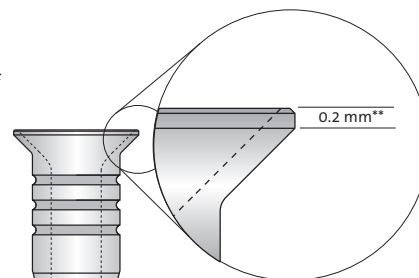
The template drill for the outer sleeve (M.27.02.B400) leaves a hole with the geometry of the outer sleeve. The collar of the outer sleeve is seated on the 0.2 mm** bore. The collar of the inner sleeve is located 0.45 mm** on the collar of the outer sleeve.



Titanium inner sleeve with depth stop



The template drill for the inner sleeve (M.27.03.B350) leaves a hole with the geometry of the inner sleeve. The collar of the outer sleeve sits on 0.2 mm** in the hole.



* The specified length is very inaccurate possible since this dimension is within the spiral drill and ground section of the bore in the actual measurement is also dependent from the drilling. Plan an additional security area!

** The collar rests on the drilled stop which stop is higher.

The following sleeves only available from the respective partners:

Titanium sleeves of C. Hafner

Telephone: +49 (0)7231-920-381
www.ceha-implant.de

Double sleeves

Outside- ϕ (D) 4.5 mm Inside- ϕ (d) REF C.Hafner



L5



1.60 mm 7516



2.00 mm 7518



2.20 mm 7519



2.35 mm 7520



2.40 mm 7522



2.50 mm 7523



2.80 mm 7524



3.00 mm 7525



3.20 mm 7526



3.30 mm 7527



3.40 mm 7528



3.50 mm 7529



3.80 mm 7687

Outside- ϕ (D) 5.2 mm Inside- ϕ (d)



L5



4.50 mm 7517

Sleeve test set

consists of 1 outer sleeve and 1 inner sleeve per inside diameter of 2.00 mm to 3.50 mm (total 12 sleeves).

7558

Titanium sleeves of Bego Implant Systems

Telephone: +49 (0)421-20 28-248
www.bego-implantology.de

Double sleeves

Outside- ϕ (D) 2.5 mm Inside- ϕ (d) REF Bego
1.60 mm 55512



L10



Outside- ϕ (D) 3.5 mm Inside- ϕ (d) REF Bego
2.54 mm 55513



L6

Titanium sleeves of Dentaureum

Telephone: +49 (0)7231-803 201
www.dentaureum.de

Inner sleeves

Outside- ϕ (D) 3.5 mm Inside- ϕ (d) REF Dentaureum



L6



2.00 mm 381-422-00



L10



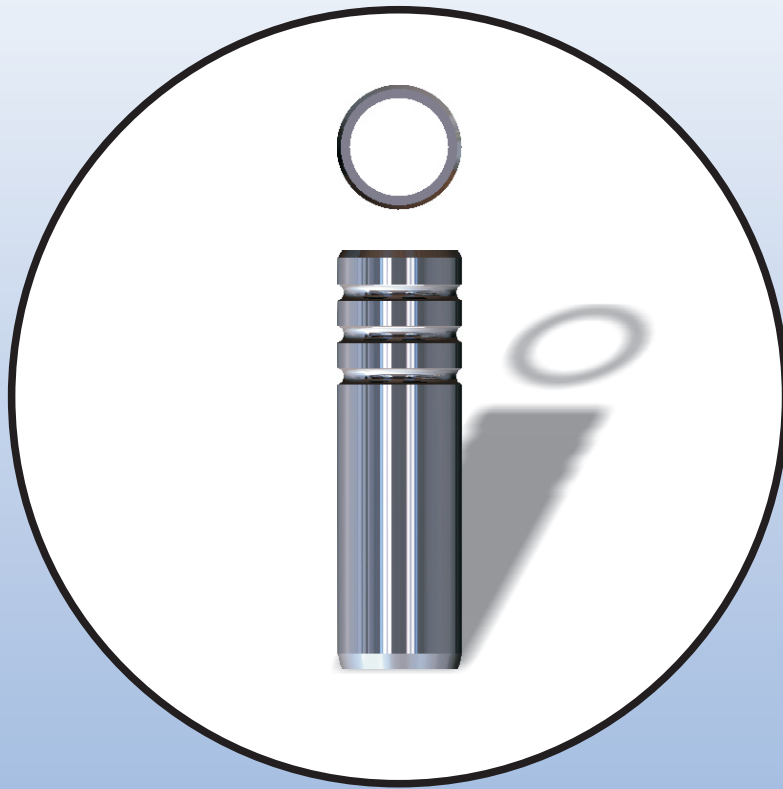
2.00 mm 381-420-00

Titanhülsen von SICAT

Telephone: +49 (0)228-854 697-0
www.sicat.com

Due to the variety of SICAT these sleeves are here not listed. Please contact directly to the company SICAT.

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Competent medical product advisors
Quality is our hallmark
Friendly employees

Important notes

Safety, liability and warranty

Steco®-Titanmagnetics® must be used only with original components and instruments supplied by the steco-system-technik GmbH & Co. KG. Please comply with the instructions for use and the product data sheet. We assume no liability for warranty or product performance if other components manufactured by a third party are used, as product function can be compromised. The technical advice supplied in relation to the use of our products is based on state-of-the-art science and technology valid at the time of product launch.

Advice is given verbally, in writing, via electronic media or through demonstrations by our trained medical device consultant. Nevertheless, this does not exempt the user from the obligation of personally testing the product to ensure that it is suitable for the intended purposes/procedures. The user is also obliged to keep up to date with Steco products (e.g. via visiting our website at www.steco.de) and find out information relating to product application. This applies especially for techniques that have not been expressly recommended. In cases of doubt, users should contact steco-system-technik GmbH & Co. KG.

The user is solely responsible for product processing and application as this is beyond our control. We assume no liability for any damage arising during processing and application. In the case of intra-oral application, our products must generally be safeguarded against aspiration.

We guarantee the perfect quality of our products within the framework of our general terms and conditions. Information relating to the existence of patents, trade names or other Intangible asset legislation are legally non-binding.

Please note

We urgently recommend that you receive instruction in the handling of our products from an experienced user. Steco products should only be used by doctors, dentists, surgeons, dental technicians and anaplastologists who are familiar with the system.

Validity

The publication of the 05.2014 catalogue invalidates all previous information.

Sale, availability

Our products are sold only to dentists, doctors, surgeons, clinicians, dental laboratories and anaplastologists or to persons acting on their behalf. Not all components are universally available.

Other trademarks, especially in conjunction with the names of implants, are used regardless of their unconditional availability. The specified product names are the trademarks of the respective manufacturers. Titanmagnetics®, coOrdination®, IMAGO® StecoForm® and Steco® are listed trademarks of steco-system-technik.

Packaging unit

Unless specified otherwise, each pack contains 1 unit.

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If you would like to be informed in the future no longer about our offers, you can object to the use of your data for informational purposes only.

steco-system-technik GmbH & Co. KG, Kollastr. 6, 22529 Hamburg, Deutschland

Order and delivery

It's so easy to order from us!



Consultation and order

by our trained medical devices consultant from monday to thursday from 8:00 a.m. to 4:00 p.m. (CET) and friday to 3:30 p.m. (CET) at the following telephone number

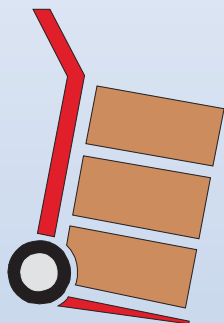
+49 (0)40 55 77 81-0

or by Skype

steco.beratung2

Out of our business times you can give your order by mailbox/voice, by telefax or by e-mail! Our distribution is responsible for germany. Our distributors in switzerland is Kaladent AG, in austria ZPP Dental-Agentur and in Poland HT Dental. Ask us for other foreign distributors.

You decide, how fast we deliver!



Incoming order

for shipment at the same day

Monday - Friday till 3:00 p.m. (CET)

Cost of shipment

in other countries than Germany are different.

Please ask us!

You tell us, where to deliver!

We send you the invoice, the delivery goes to the adress you wish.

You will order by fax?

Fax-No. +49 (0)40 55 77 81-99

If you want a confirmation, please tell us!

You will order by email?

info@steco.de

Please visit us also on our homepage:

www.steco.de

Law of return, valid from invoice date:



- During 14 days
- Pre-Announcement by telephone or e-mail
- Only in undamaged packaging
- Please fill in the slip of return
- Please take unconditionally a **padded envelope** or a box
- In case of losing products due to uncorrect packaging, we cannot give a credit

Symbols on label

Symbols acc. to DIN EN 980



Serial number



Charge/ LOT number



Catalogue number (Order-No.)



Not sterile



Do not reuse!



Caution! Consult accompanying documents



Follow instructions!

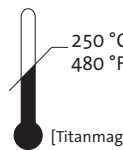
Symbols acc. to DIN EN 980



Warning magnetic field!



Durability



Upper temperature limit



Manufacturer



Medical product
class lib acc.
MDD 93/42/EWG

Product label for Titanmagnetics® and coOrdination®

Product description

Product line

Product number/REF

Lot number (charge)

Symbols

Packaging unit

Manufacturer

Titanmagnetics® Insert X-Line D4.8/H3.5
for Brånemark RP Implantat 4.0

REF I.02.01.X350 **LOT** 6588

Qty.: 1 MADE IN GERMANY

steco-system-technik GmbH & Co. KG
Kollastr. 6 22529 Hamburg Germany
T.: +49 (0)40/55 77 810 www.steco.de

CE 0197

! ⚠️ NON STERILE

The product labels shown here are only examples. Individual variations are possible.

Product notes Titanmagnetics

Indication

Indication

1. Geroprosthetics: Anchoring of hybrid- and partial dentures on class III- (toothless jaw) and class II- (reduced number of teeth) prostheses (classification following "consensus paper" 12/2008). For class III treatment with removable dentures 6 implants are recommended in the upper jaw and 4 in the lower jaw. Depending on anatomic and prosthetic conditions a various number of posts can be indicated. Due to the low lateral force on implant (only *X-Line* and *Z-Line*) even short implants (6 mm) can be used.

2. Facial prosthetics: Anchoring of facial prostheses and resection prostheses.

3. Contraindications: Dysfunctions such as bruxism. For Titanmagnetics® *K-Line* implants should be at least 12 mm long. Titanmagnetics® *T-Line* must not be used in oral treatment.

Warning

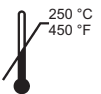
In use of magnets special precautions have to be made. Keep distance to magnetic data storages and electronic devices! Cardiac pacemakers are not effected by Titanmagnetics® in regular use ,because there is no direct contact (Völkel 1999). The strong magnetic field in MRI diagnoses (Magnetic Resonance Imaging) can destroy the root post cap magnet and the denture magnet. It is recommended to remove the denture, the insert and as far as possible the root post magnet before MRI inspection. Patients should avoid to stay next to electric substations. Make sure to provide this information to the patient!



Loose inserts may lead to thread breakage and / or damage to the implant thread. Patients should immediately go to the dental practice, so that the inserts can be tightened again. It is important to ensure that the prosthesis is formed basal funnel shape around the magnetic head.



The magnetic cores are up to 250 °C / 450 °F temperature resistant. Titanmagnetics® must not be soldered or welded! The heat would irreversibly damage the magnet. Laser can perforate the housing. In case of a damaged titanium housing the parts have to be exchanged as soon as possible. Damaged titanium housing leads to corrosion of the magnetics alloy ($\text{Sm}_2\text{Co}_{17}$) and with this to progressive damaging of the housing.



Never grind the 0.2 mm thin titanium housing!



For risk assessment process send damaged parts back to the manufacturer together with product REF, LOT, date of insertion and intraoral position. Please note relevant product data (REF, LOT) in the patients file and patient passport!

Magnetic fields

There are no clinical references for the small static magnetic fields of Titanmagnetics® to be harmful to humans. Titanmagnetics® have a magnetic field which is static as the Earth's magnetic field. It is not comparable to the electromagnetic field of a mobile phone or high voltage power lines. The average magnetic field on the surface of Titanmagnetics® is up to 186 mT (*X-* and *K-Line*) or 300 mT (*Z-Line*). It is lower than 40 mT (WHO exposure limit) in a distance of 5 mm from the surface. There is no evidence in the current literature that static occurring near the surface magnetic fields with a magnetic flux density of up to 300 milliTesla in humans can be locally damaging.

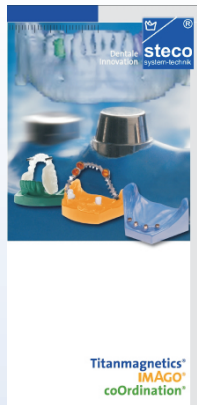
Sterilization

The inserts are packed not sterile. They can be sterilized in their packaging, if it is not damaged. Sterilization can be performed with moist heat in an autoclave (gravity method or fractionized vacuum 132/134 °C, 3 bar, 5 min). Please refer to advise of sterilization equipment manufacturers instructions as well. Use validated processes only!



134°C

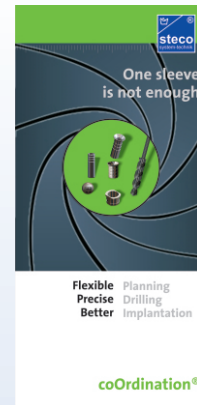
Service materials



Flyer
Product groups



Flyer
Titanmagnetics®



Flyer
coOrdination®
(Sleeves)



Company brochure



Offprint from P. Federspil
Only with english summery
("Epithetische Wiederherstellung im Gesicht"
Deutsches Ärzteblatt 05/1998)

Information for patients

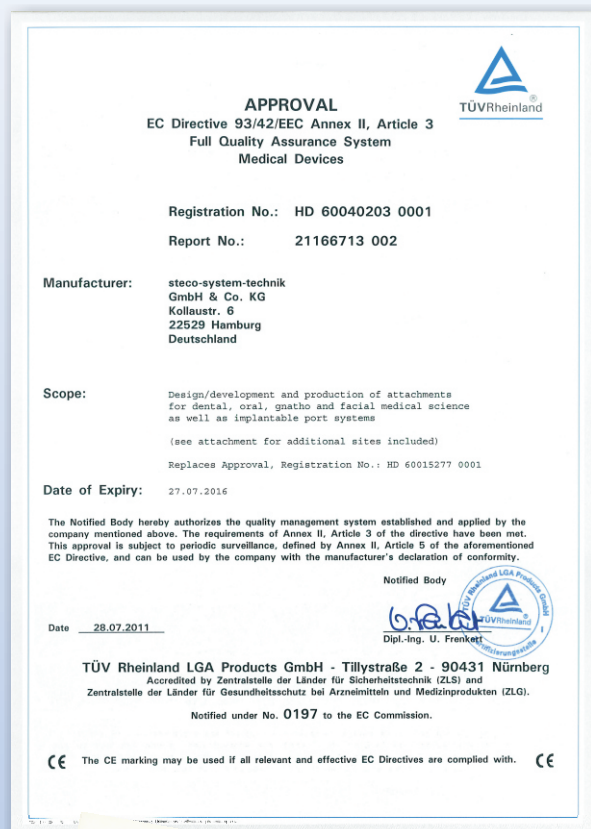


Flyer for patients
Titanmagnetics®

Quality management

Certificates and licenses

A high quality level is essential for us. Our quality management system is certified according to the standards EN ISO 13485 and EN ISO 9001. Our medical products are CE marked and FDA registered. The company is already registered in Japan and has the necessary business license the overseas manufacture license (OML)!



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General terms and conditions

1. General

1.1 These general business terms and conditions apply additionally to all present and future transactions between steco-system-technik GmbH & Co. KG and its customers, even when no explicit reference is made to them in later transactions.

1.2 The inclusion of other party business and procurement terms is expressly prohibited if such terms vary from our terms and conditions, contain additional provisions or are not expressly agreed to in writing. Our making of delivery may not be construed as granting consent or approval.

2. Offer / Conclusion of Contract

Our offers are not binding. A contract is only then concluded when we provide a written confirmation of the customer's order or execute the order (offer acceptance). Any oral agreements or assurances made at the time the contract is concluded are only valid if confirmed in writing by us. Similarly, any later changes or amendments to the contract will only be valid if made in writing. Orders for custom-made products according to § 3, Section (8) of the German Medical Devices Act (MPG) must be made in writing and contain the information required under the act.

3. Right to Make Modifications

We reserve the right to make modifications in the materials and designs contained in any published product descriptions, provided that such modifications do not significantly impair the ordinary use of the system components or their use as provided for under the contract, or otherwise affect any guaranteed product characteristics or qualities.

4. Prices

Our stated prices are ex works in euros and do not include the costs of packaging, freight and insurance. The respective list price for our products on the date of order acceptance will be definitive for pricing purposes. We reserve the right to correct our offer and invoice prices in case of miscalculations or other errors. Value-added tax will be invoiced as a separate item in accordance with the applicable statutory regulations in force on the date of delivery or performance.

5. Payments

5.1 Invoices are payable in cash with no discounts immediately upon receipt and at no cost to steco-system-technik GmbH & Co. KG.

5.2 Checks will be accepted as conditional payment until such time as the checks have cleared and funds have been collected against them.

5.4 We will charge a late penalty of 10 percentage points per year above the base interest rate (§ 247, German Civil Code (BGB)) without providing a reminder if the payment deadline has not been met. We reserve the right to assert claims for greater damages.

5.5 The customer may neither withhold payments that are not based on the same legal relationship, nor set-off payments of any claims that are not legally binding or undisputed by us.

5.6 Payments from outside Germany will be made in euro currency.

6. Delivery

6.1 The delivery periods or deadlines stated are non-binding if not expressly confirmed by us in writing. Binding delivery deadlines will only be agreed to in isolated cases and are only valid when confirmed by us in writing. Compliance with such deadlines is conditional upon the timely receipt from the customer of all the documents, approvals, releases and information required to execute the order. The delivery period begins only when all prerequisites have been fulfilled.

6.2 We are authorized to make partial shipments and provide partial performance to the extent that such is reasonable for the customer.

6.3 Unforeseeable impediments, including acts of God, strikes, operational disruptions, such as power outages, shortages of raw materials and the like both at our facilities and those of our suppliers, will extend any delivery periods or deadlines accordingly, to include those that are binding.

6.4 The customer will grant a grace period of four weeks as prescribed by law in cases of delivery delays for which we bear responsibility. The customer can withdraw from the contract when this time limit has expired. The customer will pay for any partial deliveries made.

6.5 If delivery is agreed to be made in partial quantities or on a requisition basis, then we may withdraw from the contract or demand payment of the agreed price by providing the entire quantity of goods, should the customer fail to pay for or requisition the goods or partial quantities within a reasonable period of time as set by us.

6.6 In the event that we are responsible for non-compliance with binding delivery periods or deadlines, or if we delay or are in default, then the customer is entitled to claim compensation for loss occasioned by delay in the amount of 0.5% of the net order price of the delayed delivery or partial delivery for each full week of such delay, but not more than 5%. No further claims of any type are authorized unless the delay is caused willfully or through gross negligence. We assume no liability for any indirect consequential damage or loss, such as recourse claims by third parties.

7. Transfer of Risk

7.1 Unless otherwise agreed, we will decide both the transport means and routes, without assuming any responsibility for selecting the fastest or most-economical option.

7.2 Unless otherwise agreed, the risk is transferred to the customer when we turn the goods over to the transporting party. This also applies to partial shipments. Should the customer unjustifiably refuse to accept the goods, then the delivery will be delayed for reasons that are the customer's responsibility. Risk is transferred to the customer if the customer fails to requisition the call orders on schedule. If we store the goods at our location, then the customer is required to pay us the standard storage fee. The customer will bear the costs if the goods are stored at third parties.

7.3 The forwarder will be notified immediately to ascertain the facts should any goods become lost or damaged in transit.

7.4 We will arrange insurance coverage for the transport and for goods placed in storage only on request of the customer and insofar as such is agreed to in writing for each individual instance. The customer will bear the costs of the insurance.

8. Default in Acceptance

8.1 Should the customer be in default of acceptance, we will invoice staging costs in the amount of 0.5% of the value of the delivery for each full or part of a month provided the expense incurred is not verifiably less. We reserve the right to claim any additional substantiated costs.

8.2 If, after the expiration of a reasonable grace period coupled with a warning of refusal, the customer expressly states that it does not want to accept the goods or refuses the acceptance thereof, then we are authorized to withdraw from the contract and demand payment of damages for non-performance. We can demand 25% of the order price as compensation for non-performance provided the customer cannot furnish proof of a lesser loss. We reserve the right to assert claims for greater damages in the case of custom-made products or single-item production.

9. Retention of Title

9.1 The delivered goods remain our property until the customer has paid all the accounts owing from the customer. Checks will be considered as payment rendered only after the checks have cleared and funds have been collected against them. The customer may sell the goods to which we retain title (reserved goods) in the course of its ordinary business, unless the customer is in default of payment or has stopped making payments. The customer may neither pledge nor assign the reserved goods as security. Attachments or seizures of the reserved goods will be reported to us immediately and include a copy of the attachment order.

9.2 The customer may process the goods to which we retain title (reserved goods) in the course of its ordinary business, unless the customer is in default of payment or has stopped making payments. Should such processing be made, it is hereby agreed that we will acquire joint ownership of the new material arising from such processing in an amount corresponding to the value of our reserved goods in relation to the other processed objects.

9.3 Should the customer sell the goods, then the customer hereby assigns to us with immediate effect, and for the purpose of repaying all of our accounts receivable, the rights from its customers that it derives from the sale to include all ancillary rights and securities. Should we have only joint ownership of the sold goods because of their having been processed, then we will acquire only that share of the total receivables including ancillary rights and securities in the same relation to the total receivables as the value of our joint ownership is to the total value of the sold goods. We can require that the customer inform its customers about this assignment and give us all manner of information and records that are needed to collect against its customers.

9.4 If the customer's accounts receivable generated from the resale of our reserved goods or from the goods in which we have joint ownership are accepted on current account, then the customer hereby and with immediate effect assigns to us a claim to payment in the amount of the prevailing and confirmed balance, namely in the amount of our accounts receivable due from the customer. We hereby accept the aforementioned assignments.

9.5 The customer may collect the receivables that are assigned to us, unless the customer is in default of payment or has stopped making payments.

9.6 We agree at the request of the Customer to release our corresponding property rights should the value of the securities granted to us exceed our accounts receivable from the customer by more than 20%.

10. Liability for Defects

10.1 The customer is required to inspect the goods immediately after receipt. Notifications of defects and incorrect quantities must be made immediately upon discovery, but not later than seven days after receipt of the goods. The notification of hidden defects must be made not later than seven days after the defect is discovered. Notifications of defects are not valid after one year of receipt of the goods.

10.2 Claims by the customer for defects to the goods are limited to the right of rectification of the defect. The customer has the right to a reduction in price should the rectification of the defect fail. The customer is required in each case to return the defective goods to us for inspection.

10.3 The customer will have no further rights regarding the defect (withdrawal from the contract, damages, compensation for expenses) unless the defect was caused by willful acts or gross negligence on our part.

10.4 The limitation period for claims for remedy is reduced to one year. Excepted from this are claims for damages from injury to life, limb or health caused by gross negligence on our part or by willful acts or negligence on the part of our legal representatives or agents. Furthermore, this reduction in the limitation period does not apply for customer claims for damages caused by gross negligence or willful acts.

10.5 Liability for tortious injury to life, limb or health remains unaffected as does mandatory liability under the German Product Liability Act.

11. Applies only for orders placed with the steco-laser-technik division.

12. Place of Performance / Legal Venue / Applicable Law

12.1 All legal relationships between the customer and ourselves are subject to the laws of the Federal Republic of Germany to the exclusion of the "Uniform Law on the Formation of Contracts for the International Sale of Goods" and the "Uniform Law on the International Sale of Goods."

12.2 The place of performance for the fulfillment of customer obligations under these terms is Hamburg.

12.3 It is agreed that Hamburg will be the exclusive area of jurisdiction for all disputes to include those arising from checks. This stipulation applies provided the customer is a merchant or a legal entity under public law.

13. Savings Clause

Should individual parts of these general business terms and conditions be unenforceable or invalid, then the validity of the remaining provisions will not be affected.

Dated: 21 April 2008

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