

OSTEOPLATE®

PRODUCT CATALOG



CE 0482

 ORALTRONICS®

Please visit our website with shop:
www.oraltronics.com



Legal Notice:

The implant may only be used by doctors who are suitably familiar with the system. The instruction (in this product catalog, the brochure "Insertion Technique" and the instructions of use) must be strictly complied with. Continued training on this implant system is absolutely essential.

We reserve the right to modify or improve the products in line with technical progress.

The prices listed supersede all previous prices. All prices stated in this catalog are excluding value - added tax.

Valid as of January, 2002

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The Implantat System

Quality Standard

The ORALTRONICS® quality assurance system was certified in conformity with DIN ISO 9001/EN 46001 and Regulation 93/42/EEC for Medical Devices. Implants are supplied in gamma-sterile condition in a double sterile packing and protective box. The safety packing contains a detailed instruction manual with illustrations and important advice for safe application, as well as removable stickers for the patient records. The stickers contain information on implant type, expiration of sterility and order number. The coding allows each implant to be traced back to the original batch.

OSTEOPLATE® - The Modern Classic

Inspired by contacts with experts in the USA, Prof. Dr. Hans L. Grafelmann of Bremen began researching and developing the first generation of dental endosseous implants in 1963. In his pioneering efforts he introduced the blade implant to European dentistry in 1969 and was responsible for advancement of the system according to latest scientific knowledge. The modern extension implant OSTEOPLATE® is TPS coated and can be used in a one-phase as well as two-phase technique.

Indication

The indication range covers the complete arch of both mandible and maxilla. Thanks to the small, slightly conical, snake-line expansion profile and the variety of anatomical shapes, this implant can be used for exceptionally thin alveolar crests from 3.0 mm width, avoiding bone augmentation.

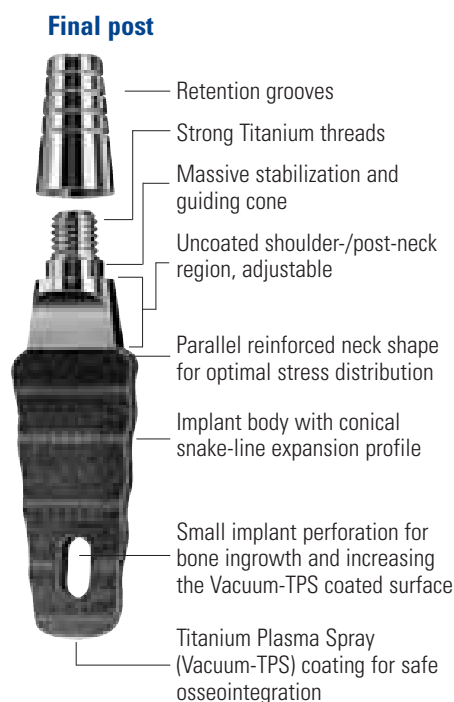
The Essential Features

- Indication in cases of extended advanced atrophy, where other implant systems cannot be applied. The implant body design with small shoulder width allows insertion by slight bone expansion, favoring early direct bone contact
- Unique implant system, avoiding bone augmentation in most cases, even in severely atrophied jaws
- In cases of sinus lift, the OSTEOPLATE® is often used as an instant implant with simultaneous augmentation, even after extraction in the subantral region
- The variety of prosthetic posts offers numerous shapes to solve any requirement for different prosthetic restorations
- The OSTEOPLATE® shapes facilitate the adjustment of abutment divergencies intra-op for parallel alignment to other implants and integrated natural teeth

The Bottom Line

Extension implants of the OSTEOPLATE® type are an ideal asset in modern implantology to cylindrical and screw-type implants and are thus a key element in the Multitype Implant Concept. In addition to the unsurpassed indication range, the OSTEOPLATE® system offers the following advantageous features:

- Economic therapy, avoiding comprehensive implant surgery
- Maximum care of patient through fast restoration
- Proven long-term success



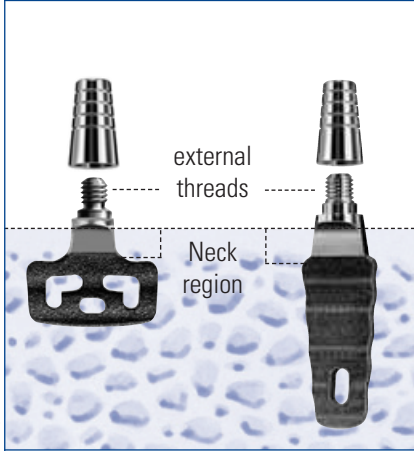



OSTEOPLATE® - The modern Classic

Implant Models

All implants are made of pure titanium and are coated in the implant body region with titanium plasma spray (Vacuum-TPS). They are two-phase with a removable post and available as Type B with trapezium neck and as Type A with round neck. They are supplied with a temporary post or cover screw and standard post.

Differences in the Cervical Design

TYPE B		TYPE A	
 temporary healing post		 cover screw	
			
<ul style="list-style-type: none"> removable post trapezium neck with external threads adjustable in neck region semi-submerged healing with temporary post shoulder width: 1.4 mm 		<ul style="list-style-type: none"> removable post round neck with internal threads fully submerged healing with cover screw non-adjustable in neck region shoulder width: 1.5 mm 	

Insertion depth level with alveolar crest

Implant Profile

The anatomical implant shape of the OSTEOPLATE® system can be used for severely resorbed available bone. Osseointegration is predictable and functional longevity secure (over 32 years in situ!). The shoulder thickness of only 1.4 mm and neck design of Type B increases the indication range to include small atrophied ridges, no prior augmentation is necessary.

Due to the expansive insertion technique, with the conical snake-line profile, the implants will have a safe implant-to-bone bond also within the perforations after an unloaded healing period of at least 18 weeks. Depending upon the original bone quality of the insertion site, Osteoplates will be fully osseointegrated after 36 weeks.



Implant shapes

Implant shapes

The many different shapes and measurements let you select the best implant for every indication, even advanced atrophy. The letters before the order number refer to the general indication region for each implant:

L	(Lower Jaw)	implant for the mandible
B	(Both Jaws)	implant for the mandible
U	(Upper Jaw)	implant for the maxilla
SL	(Sinus Lift)	implant to be used in conjunction with Sinus Lift procedure
TU	(Tuber)	implant with inclined neck for the tuberosity region, shoulder width 1.7 mm, long neck
RA	(Ramus)	implant with inclined neck portion for the ramus region

Specification Pure Titanium 99.397%

FE = 0.25
 C = 0.08
 N = 0.06
 O = 0.20
 H = 0.0125
 Ti = Balance

Any symmetrical implant can be utilized in regions other than its basic indication.

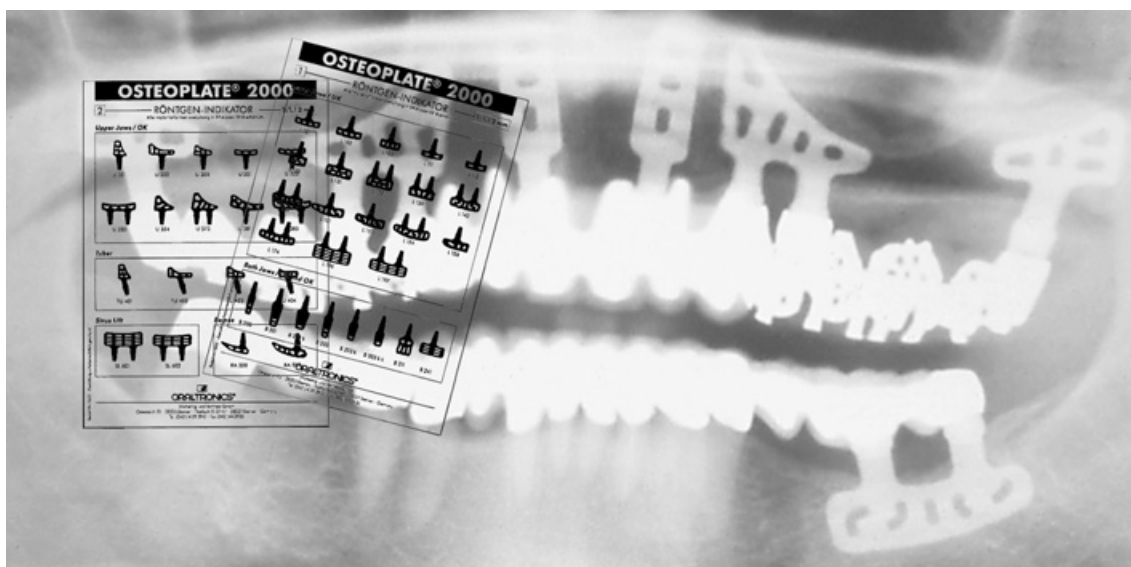
Implant Analogs

The implant shape selected can be measured after exposure of the alveolar crest with the implant analog. Implant analogs are available for every implant. They do not have any conical snake-line profile, coating or perforation. They are under-dimensioned by about 5 %. Type numbers are engraved on all implant analogs for safe handling.












Order Number = Implant Type Number + "M" Price:

Item	Magnification factor	Order No.	Price
Transparent X-Ray guides for pre-op selection of OSTEOPATE® implants.	1 : 1.26	1650	





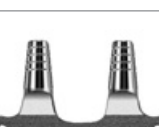






Implant shapes









Implant shape (Shape Type B)	Indication	Implant width mm	Order No. Type B Type A	Price
	lower: posterior upper: subantral 1)	18.0	L 101 B L 101 A	
	lower: posterior upper: subantral	18.0	L 102 B L 102 A	
	lower: posterior upper: subantral	14.0	L 103 B L 103 A	
	lower: posterior upper: subantral 1)	16.5	L 111 B L 111 A	
	lower: posterior upper: subantral 1)	15.5	L 112 B L 112 A	
	lower and upper: posterior	12.5	L 130 B L 130 A	
	lower and upper: posterior	18.0	L 131 B L 131 A	
	lower: posterior upper: subantral	18.5	L 132 B L 132 A	
	lower: posterior	18.0	L 139 B L 139 A	

1) for long-spanning bridges, not as a free-end saddle

Implant shapes

Implant shape (Shape Type B)	Indication	Implant width mm	Order No. Type B Type A	Price
	lower: posterior	21.0	L 142 B L 142 A	
	lower: posterior	21.0	L 150 B L 150 A	
	lower: posterior	23.0	L 151 B L 151 A	
	lower: posterior	21.0	L 153 B L 153 A	
	lower: posterior	25.4	L 154 B L 154 A	
	lower: posterior	18.0	L 158 B L 158 A	
	lower: posterior	25.0	L 174 B L 174 A	
	lower: posterior upper: subantral and sinus lift	26.0	L 196 B L 196 A	
	lower: posterior upper: subantral	26.0	L 197 B Type A not available	

Implant shapes

Implant shape (Shape Type B)	Indication	Implant width mm	Order No. Type B Type A	Price
	lower: intraforaminal upper: anterior and preantral	5.5	B 200 B Type A not available	
	lower: intraforaminal upper: anterior and preantral	7.0	B 201 B B 201 A	
	lower: intraforaminal upper: preantral	9.0	B 202 kB B 202 kA	
	lower: intraforaminal upper: anterior and preantral	6.5	B 203 B B 203 A	
	lower: intraforaminal upper: anterior and preantral	6.4	B 203 kB B 203 kA	
	lower: intraforaminal upper: anterior and preantral	6.4	B 203 kkB B 203 kkA	
	lower: premolar upper: preantral	10.7	B 211 B B 211 A	
	lower and upper: posterior	17.0	B 241 B B 241 A	

Implant shapes

Implant shape (Shape Type B)	Indication	Implant width mm	Order No. Type B Type A	Price
	upper: preantral 2)	9.0	U 301 B U 301 A	
	upper: preantral 2)	17.5	U 302 B U 302 A	
	upper: preantral 2)	12.5	U 303 B U 303 A	
	upper: subantral 1)	16.0	U 321 B U 321 A	
	upper: subantral	19.0	U 322 B U 322 A	
	upper: subantral	23.0	U 333 B U 333 A	
	upper: preantral	13.5	U 354 B U 354 A	
	upper: preantral	18.0	U 373 B U 373 A	
	upper: preantral and subantral 1) for long-spanning bridges, not as a free-end saddle 2) also tuberosity region with small gingiva-periost tissue (1-2 mm)	23.7	U 381 B U 381 A	

Implant shapes

Implant shape (Shape Type B)	Indication	Implant width mm	Order No. Type B Type A	Price
	upper: preantral and subantral	26.6	U 383 B U 383 A	
	upper: sinus lift with expanded sinus and low subantral bone dimension	26.0	SL 601 B Type A not available	
	upper: sinus lift with expanded sinus and low subantral bone dimension	26.0	SL 602 B Type A not available	
	upper: tuber region	8.9	TU 401 B TU 401 A	
	upper: tuber region	17.5	TU 402 B TU 402 A	
	upper: tuber region	12.5	TU 403 B TU 403 A	
	upper: tuber region	13.5	TU 404 B TU 404 A	
	lower: ramus above and parallel to mandibular canal	20.0	RA 500 B RA 500 A	
	lower: ramus above and parallel to mandibular canal	24.5	RA 503 B RA 503 A	

Implant shapes

Implant Dolder Bar System

The implant system for following particular indication:

- Severely atrophied, edentulous mandible
- Substance-preserving
- Instant manufacture of the bar with immediate integration
- Minimum load during healing, no second operation required
- Economical and easy to handle

The blade implants specially developed for the mandibular incisor region are ideal for the severely atrophied edentulous mandible when other implant systems fail due to a lack of sufficient bone substance. Thanks to an extraordinary narrow and tightly restricted bone preparation, the surgical procedure turns out to be substance-preserving and as gentle as possible for the patient.

The system is easy to handle, has uncomplicated functional elements and can also be very highly recommended for its economy. Within a week, the patient with the existing denture can be given provisional treatment with a temporary lining that remains soft. With this, the bar immediately gives the denture base a stabilising effect without the otherwise standard dents, and functional efficiency is instant.



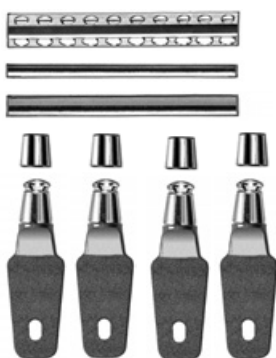
Item

For intraforminal reconstructions of the atrophied or the edentulous mandible

- 4 Implantats B 203 SKS
TPS-coated, one-phase with occlusal screws for bar fixation
- 4 gold caps (Degulor M)
 - 1 bar joint profile (Degulor M)
 - 1 bar coping profile with retention (Degulor M) and place holder

Order No. Price

3500












For the severely atrophied jaw

- 4 Implantats B 203 k SKS
TPS-coated, one-phase with occlusal screws for bar fixation
- 4 gold caps (Degulor M)
 - 1 bar joint profile (Degulor M)
 - 1 bar coping profile with retention (Degulor M) and place holder

3510



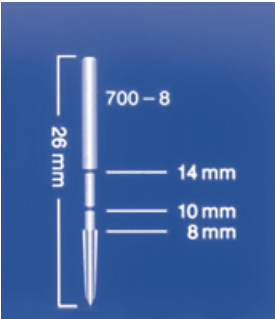

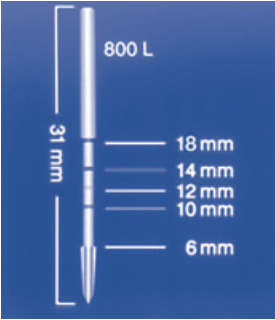




Peripheral Saws

Ø mm	Type	Cutting depth D (mm) thickness T (mm)	Item	Order No.	Price
8.0	 D 2.5 mm			Pilot Peripheral Saw, stainless steel for clockwise rot., with slots	1502
PERIMATEX® Peripheral Saws with shaft-integrated cooling system and safety stop, stainless steel					
10.0		T 3.85 D 0.75		for clockwise rotation for counter-clockwise rot.	1599 1619
12.0		T 4.85 D 0.75		for clockwise rotation for counter-clockwise rot.	1600 1620
14.5		T 6.10 D 0.80		for clockwise rotation for counter-clockwise rot.	1602 1607
14.5		T 6.10 D 0.90		for clockwise rotation for counter-clockwise rot.	1601 1606
17.5		T 7.60 D 0.75		for clockwise rotation for counter-clockwise rot.	1603 1608
20.5		T 8.10 D 0.65		for clockwise rotation for counter-clockwise rot.	1604 1609
				Set containing 6 PERIMATEX® peripheral saws, clockwise rotation	1605
				Set containing 6 PERIMATEX® peripheral saws, counter-clockwise rotation	1610
			Surgical Tray for Burs and Peripheral Saws	1476	
			<ul style="list-style-type: none"> • autoclavable • tray containing 12 burs, 13 saws, 1 crestotom 		

Save

Save

Burs and Drills

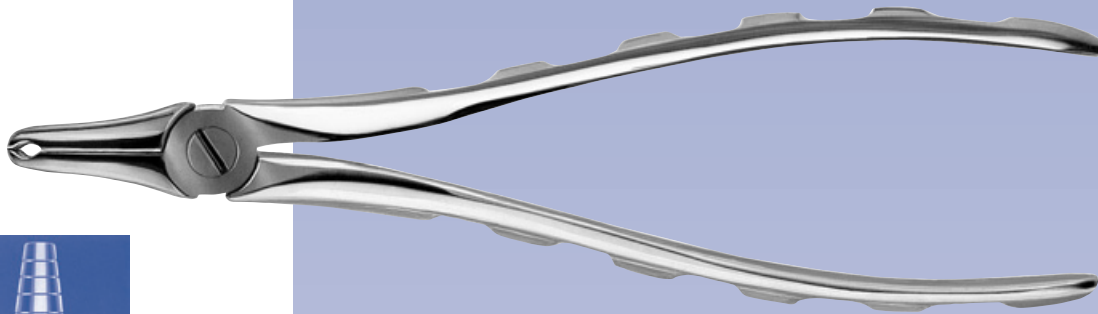
Type	Item	Order No.	Price
	700 XL, cutting portion 6 mm, for FG casing. Bur suitable for contra angle with red ring	set of 6	1402 *
 	700-8, tip without cross notch, color-graduated at 10 and 14 mm, cutting portion 8 mm, for FG casing. Bur suitable for transmitted contra angle with red ring	set of 6	1403 *
 	800 L, with cross notch tip, color graduated at 10, 12, 14, 18 mm, conical cutting portion 6 mm, for FG casing. Bur suitable for transmitted contra angle with red ring	set of 6	1404 *
 	800 L, without cross notch tip, color graduated at 10, 12, 14, 18 mm, conical cutting portion 8 mm, for FG casing. Bur suitable for transmitted contra angle with red ring	set of 6	1406 *
	Neck depth bur 950 RP for type A cutting depth: 2.7 mm Ø 3.1 mm with latch shaft		1450
	Crestotom for cleaning, smoothing and levelling the alveolar ridge		1452

Implant Holding and Bending Forceps

Type	Item	Order No.	Price
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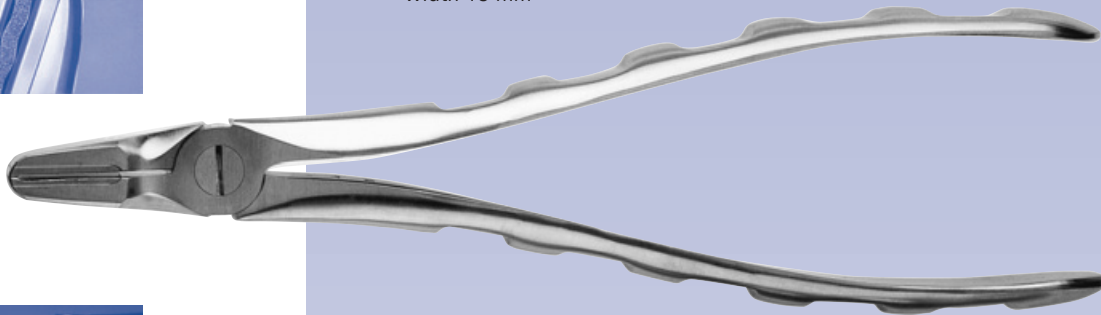
Post bending forceps with profile grip

1102



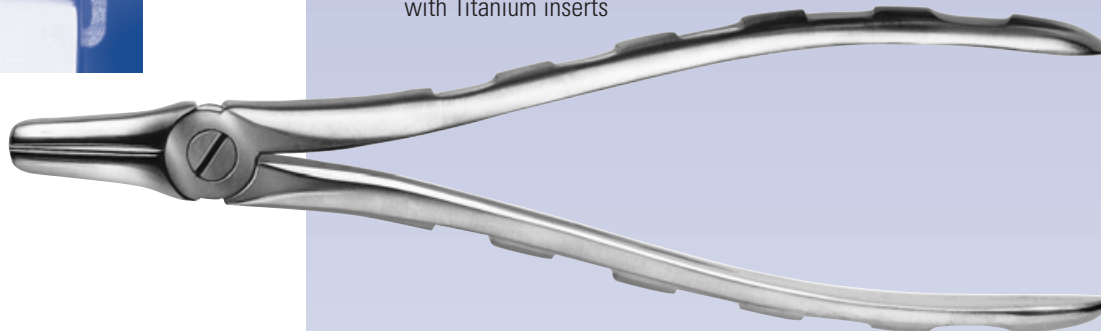
Implant holding forceps with Titanium inserts, width 16 mm

1105



Implant body bending forceps with Titanium inserts

1103



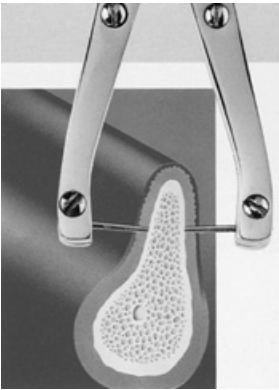
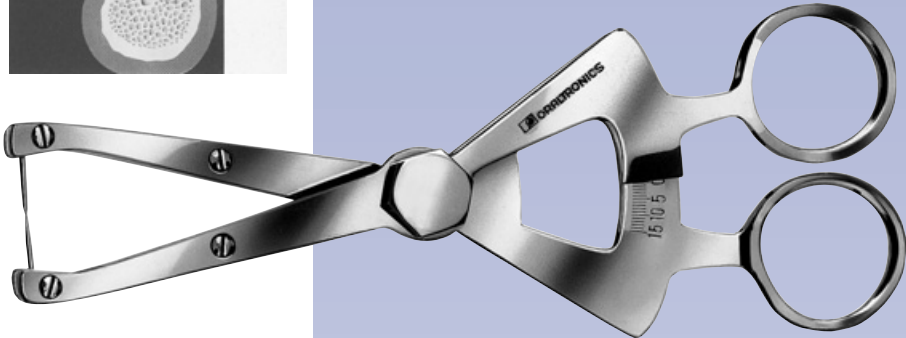


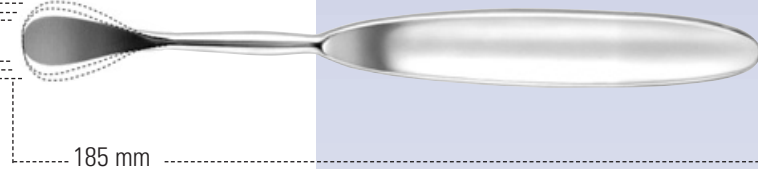

Forceps set containing (1102, 2 x 1103, 1105)

1106



Save

Surgical Instruments

Type	Item	Order No.	Price
	Osteometer for pre-op measurement of bone density, for preselecting implant diameter and system	1210	
			
	Periosteal elevator, short	10 mm 1301 12 mm 1302 14 mm 1303	
	set of short periosteal elevators (containing 1301, 1302 and 1303)	1304	
	Periosteal elevator, long	10 mm 1306 12 mm 1307 14 mm 1308	
	set of long periosteal elevators (containing 1306, 1307 and 1308)	1309	

Surgical Instruments

Type	Item	Order No.	Price
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	Insertion instrument, for single post implants with Titanium insert, handpiece stainless steel	1001	
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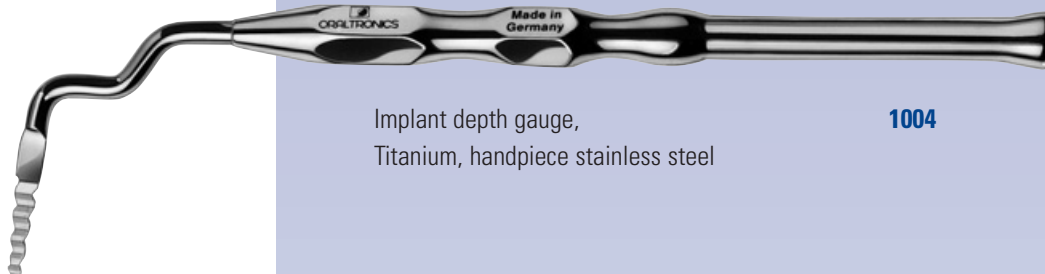
	Insertion instrument, for double post implants with Titanium insert, handpiece stainless steel	1002	
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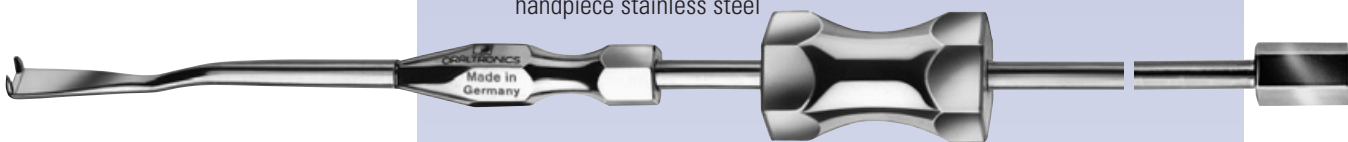
	Insertion instrument for shoulder slots with Titanium insert, handpiece stainless steel	1003	
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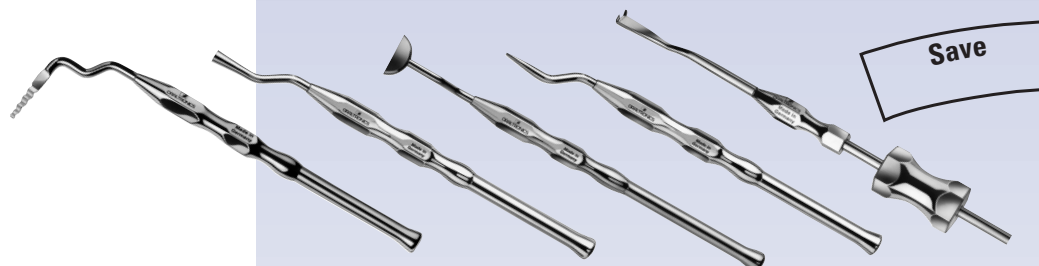
	Implant depth gauge, Titanium, handpiece stainless steel	1004	
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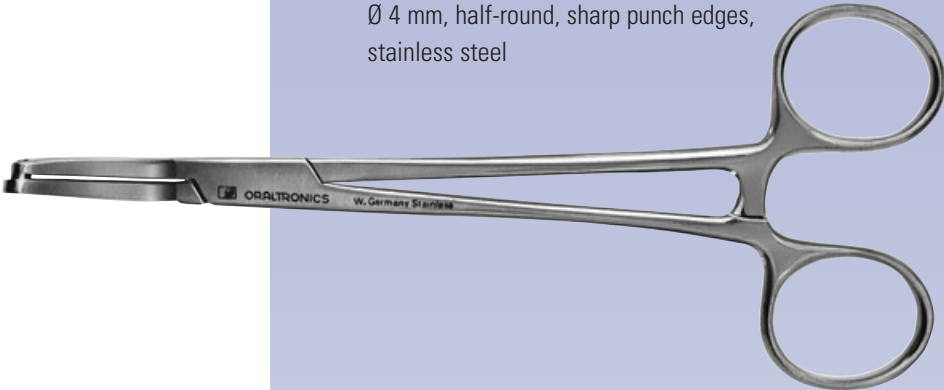



	Implant analog remover, with Titanium insert, handpiece stainless steel	1005	
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	Set containing items 1001 - 1005	1006	
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Surgical Instruments

Type	Item	Order No.	Price
	Implant tapping mallet, with double plastic striking surface, stainless steel. Plastic surface replaceable	1202	
	Tissue punch, Ø 4 mm, half-round, sharp punch edges, stainless steel	1201	
	Titanium tweezers, angulated	2852	
	Centric punch, Ø 3,40 mm, for manual re-opening of the gingiva	1020	
	Tubular punch, for reduced contra angle, for exposure of osseointegrated implants	90090	

Surgical-Tray

	Item	Quantity	Order No.
Surgical Tray	EUR 1,220.00		2838
	Standard Tray DIN 13999, unperforated 28 cm long, 18 cm wide, 4 cm high, stainless steel		2839
	Transparent X-Ray guide. Set Magnification factor 1 : 1.26		1650
	Insertion instrument, single post	1	1001
	Insertion instrument, double post	1	1002
	Insertion instrument, for shoulder slots	1	1003
	Implant depth gauge	1	1004
	Implant analog remover	1	1005
	Implant tapping mallet with double plastic striking surface, stainless steel	1	1202
	Post bending forceps with profile grip	1	1102
	Implant holding forceps, 16 mm width, Titanium insert	1	1105
	Tissue punch, Ø 4 mm, half-round	1	1201
	Set of short periosteal elevators: 10, 12, 14 mm	1	1304
	Fixing key for temporary post with Teflon insert, manual	1	1013
	Sleeve key for standard posts, Titanium, manual	1	90436



Type	Key Symbols	Item	Ø mm	Height mm	Order No.	Price
		Temporary post			7422	
		Standard post without peripheral stop	4.0	5.5	7410	
		Standard post without peripheral stop	4.0	7.0	7411	
		Standard post without peripheral stop	4.0	9.0	7412	
		O-ring post with active retention ring and metal ringhousing	4.0	neck height 4.5	7424	
	 	Ball post with fixing screw for bar constructions	ball 4.5	neck height 3.0	7416	
	 	Post with occlusal screw for removable screw-on bar and bridge constructions	4.0	7.0	7414	
Technique						
		Impression post for ball post and O-ring post only			7245	
		Modeling cap, castable for standard post (order no. 7411)			7302	
		Implant transfer post			7240	

Type	Key Symbols	Item	Ø mm	Height mm	Order No.	Price
		Cover screw Titanium, flat		3.2	7120	
		Standard post	4.2	7.0	7111	
		O-ring post with active retention ring and metal ringhousing	3.25	neck height 2.5	7124	
		Ball post with fixing screw for bar constructions	ball 4.5	neck height 1.0	7116	
	 	Ball post with fixing screw for bar constructions	ball 4.5	neck height 2.0	7117	
	 	Post with occlusal screw for removable bar and bridge constructions	4.2	6.0	7114	
Technique						
		Impression post for ball post and O-ring post only			7145	
		Modeling cap, castable for standard post (order no. 7111)			7301	
		Implant transfer post			7140	

Prosthetic Accessories

Root Buffer Attachment–

Universally castable ball anchor serves as retention element for all removable implant superstructures, for incorporation into the prosthesis or bar system. Can be included in the wax-up for casting.

Type	Item	Order No.	Price
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Clip



Clip Housing

Profile Bar, rigid



Resilient Bar



Rigid Bar



Press-In Pin



Ball Post Cap



Bar and Clip System Set consisting of:

3570

- 6 Clips, orange Ø 3.1 mm, L: 5,0 mm, H: 2.7 mm
- 6 Metal Housing for Plastic Clips
- 2 Profile Bars, green, L: 50 mm, H: 8.3 mm
- 3 Drop-shaped Bars, yellow, L: 50 mm
- 1 Round Bar, blue, Ø 1.8 mm, L: 50 mm
- 1 Press-In Bar, black
- 15 Ball Post Caps, castable, with perforation

Metal Housing for plastic clips, Set of 6

3565

Ball Post Cap

Burnout acrylic

3553

Bar and Clip System with acrylic Burnout Patterns for connecting unparallel implants. Especially suitable for screw-retained bar frameworks with clip bar prosthesis.

Metal Ringhousing



Active Retention Ring



Ball Anchor made of burnout acrylic for wax-up



Root-Buffer-Attachment

3571

Ball Anchor, incl. Metal Ringhousing and Active Retention Ring

Ball Anchor

3581




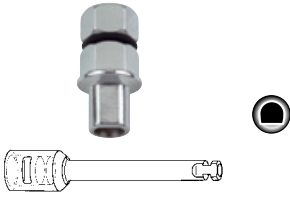

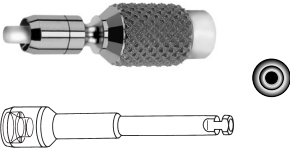

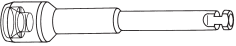
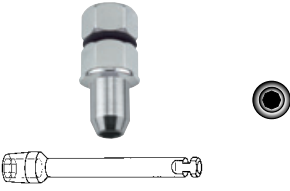


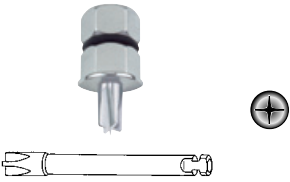

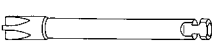
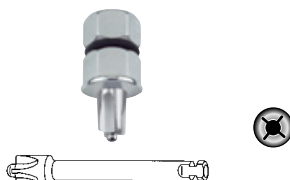


Metal Ringhousing

3582

Active Retention Ring

3580

Fixing Keys

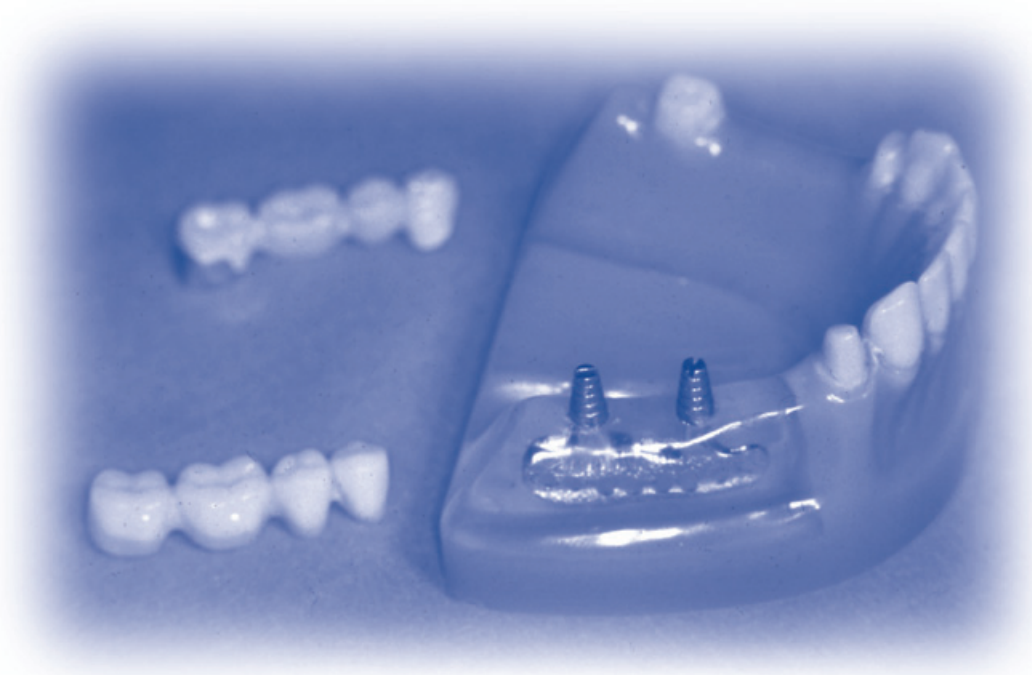
Type	Key Symbols	Items	Order No.	Price
		Handle for Prosthetic Keys For manual application of following keys 90226, 90424, 90435, 90436, 90437	90439	
		Prosthetic Ratchet For fixation of the screw with fixed torque.	90239 available autumn 2002	
		O-Ring for Prosthetic Keys For the perfect handle and ratchet on the key. Supplied with key. Also available as single item.	3586	
		Sleeve key for standard posts manual, shaft length 7 mm	90436	
		key for temporary posts manual, with Teflon insert	1013	
		for contra angle	1012	
		Octagonal head wrench for O-ring posts, manual	90424	
		for contra angle	90324	
		Cross-head screwdriver with centric tip, manual	90435	
		for contra angle	90335	
		Four way cross wrench for ball posts, manual	90437	
		for contra angle	90337	

Please note: Post keys with contra angle (latch shaft) extension to be used only for removal of posts and screws at highly reduced speed of max. 100 : 1. The initial and final phase of removal and fixation must be performed only by manual operation.

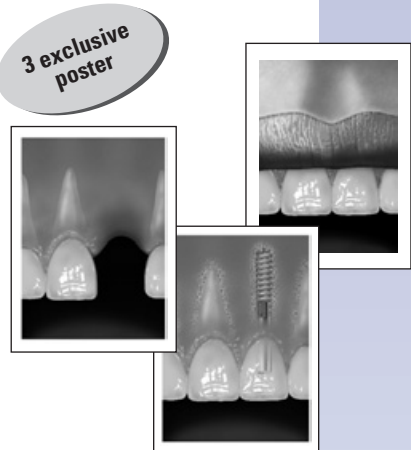
Implant Prosthetic Kit

Item	Order no.	Price
Implant Prosthetic Kit tray without instruments, for OSTEOPATE® and PITT-EASY® BIO-OSS	90340	
Implant Prosthetic Kit tray containing:	90341	
<ul style="list-style-type: none"> • Five Handles for manual prosthetic keys, Prosthetic Ratchet 	90210	

	Key with contra angle extension	Manual Key	O=for OSTEOPATE	P=for PITT-EASY BIO-OSS
• Key for temporary post with Teflon insert		1013	O	
• Hex Wrench for cover screw and Twist Drill with stop		90104		P
• Hex Wrench for antirotation post	90323	90226		P
• Octagonal Head Wrench for O-ring post	90324	90424	O	P
• Four way cross wrench for ball post	90337	90437	O	P
• Sleeve key for standard post	90336	90436	O	P
• Cross-head screwdriver for ball post fixing screw	90335	90435	O	P




Educational and Demonstration Material

Type	Item	Order No.	Price
	<p>Demonstration Model</p> <p>This transparent acrylic model of the mandible contains 6 original implants OSTEOPATE® with gold bar treatment and prosthesis with retention</p>	3600	
	<p>OSTEOPATE Macro-Model</p> <p>As display and demonstration material on a scale of 1:4</p>	3610	
 <p data-bbox="188 1272 309 1346">3 exclusive poster</p>	<p>Wall poster Set of 3</p> <p>in A-2-format (42 cm x 59.4 cm)</p>	3058	free of charge

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