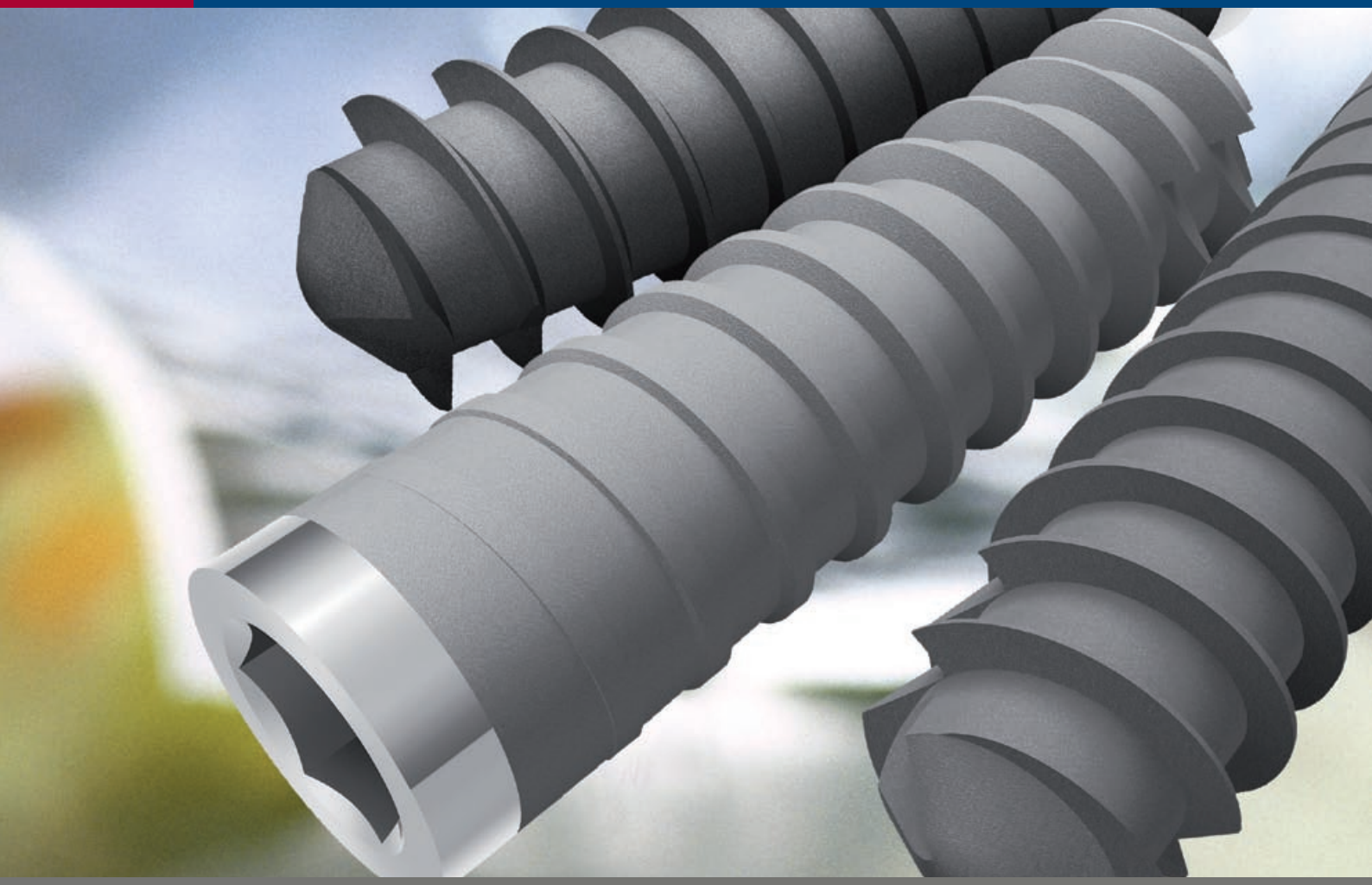
Sybron Implant Solutions
SYBRON DENTAL SPECIALTIES

PITT-EASY®
Product Catalog



Contents

Safety Data Sheets

The material composition of all products is documented in the form of Safety Data Sheets. These are available upon request.

Internet

All print material released by Sybron Implant Solutions is available online, too. Product catalogs and insertion brochures as well as information for patients or current case reports – it takes you only 4 steps to get to the print product desired. Just click under **www.sybronimplants.de**

Implant system

Quality certified

Our quality assurance and control system has been certified under DIN EN ISO 13485:2003. This standard provides for the most exacting quality management requirements to be implemented and maintained at all levels concerned. At the same time, the conformity with the requirements of Directive 93/42/EEC concerning medical products was confirmed and all our products show the CE mark.

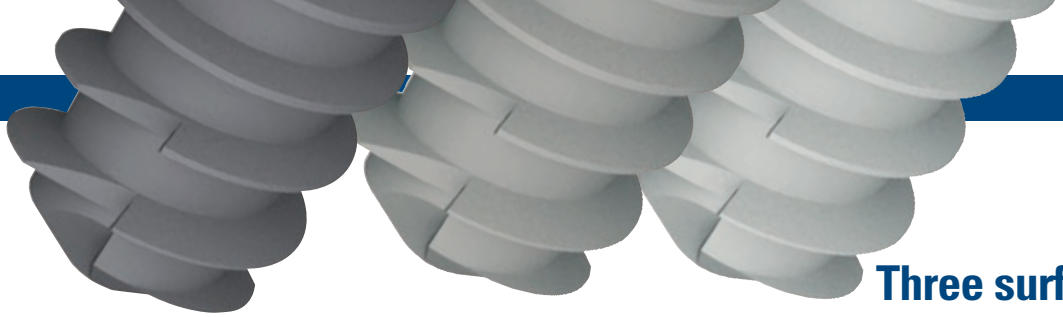
Each implant is individually sealed in a gamma-sterilized double safety package and sterility is assured for five years.

The package contains instructions for use with a guidance for insertion to ensure safe application, as well as detachable labels for the implant passport or the patient files.

The labels and the outside packaging contain all the important information: implant length, implant diameter, sterility expiration, item number and lot number (enables tracking of each implant back to its respective lot of the titanium manufacturer).
In addition to the implant packages, also the boxes of the drills, prosthetic abutments, drivers and model analogs contain two copies of the corresponding label.

The implant is kept in its acrylic vial until insertion. The color-coded screw cap contains a color-coded implant cover screw and indicates diameter and length of the implant.

For insertion, the implant is removed from the acrylic vial together with the screw cap, and is inserted into the prepared bone bed by two to three rotations. This procedure prevents contamination of the implant body.



Three surfaces at your choice

PURETEX® surface

V-TPS (Vacuum-Titanium Plasma Spray) surface

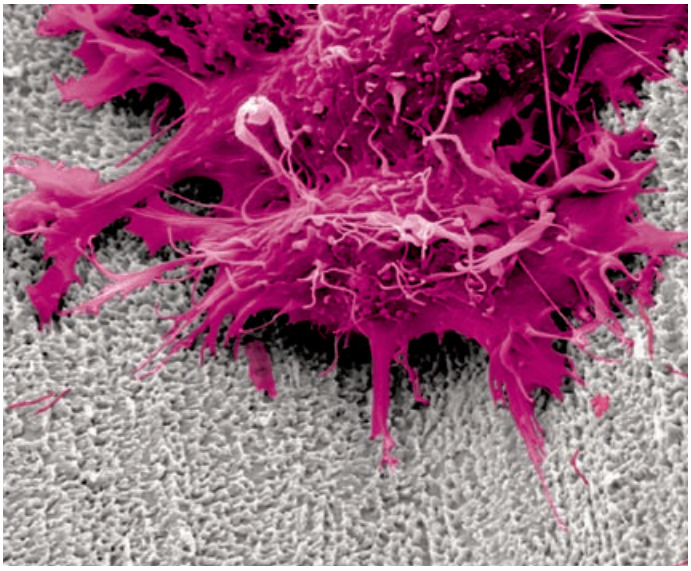
FBR (Fast Bone Regeneration) surface

PURETEX®, the biomimetic implant surface

Puretex has opened a completely new spectrum for implant therapy. Puretex derives from tex = texture which is the surface topography and from pure for purity. We have implemented a new decontamination technology which creates an implant surface of utmost purity.

The comprehensive studies and test series in close cooperation with university institutes have resulted in the development of our technology. We have succeeded in creating a biomimetic titanium surface by a purely subtractive process.

A clinical evaluation confirmed this excellent healing property. There was no horizontal bone resorption as with other implants.



Advanced spreading, stage 4, formation of extremely numerous filopodiae with intensive contact to the biomimetic structure in immediate vicinity of the cell, complete flattening (magn. factor 1:5000, illustration is colorized)

V-TPS surface (magn. factor 1:3000)

PITT-EASY® with V-TPS surface for approved therapy

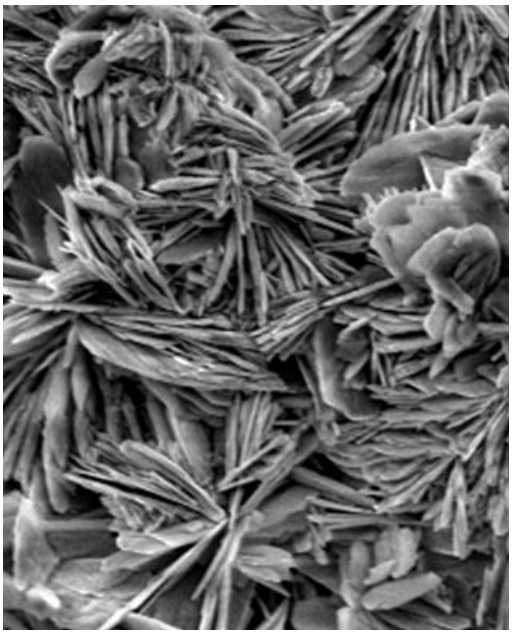
The V-TPS surface enlarges the implant surface sixfold and ensures a contact osteogenesis and safe osseointegration. The special implant shape and the multiple diameters and lengths, developed for each indication, guarantee a quick, uncomplicated bone regeneration. The safe osseointegration has been documented for nearly 30 years. Advantage: The vacuum causes a homogeneous gap-free implant interface adherence with finest insoluble particle connection.

PITT-EASY® with bioactive FBR surface for early loading after six weeks

The FBR (**F**ast **B**one **R**egeneration) surface consists of 100% calcium phosphate. It is additionally applied on the tried-and-tested fine granular V-TPS surface in a thin layer (15 – 20 µm). The FBR coating displays a marked capillary effect for an intensive, premature anchorage.

Pitt-Easy implants with FBR surface achieve a 23% higher rate of bone deposit than with other, rough-structured surfaces. This indicates early loading is possible in a connection construction, i.e. 6 weeks post-op.

FBR – for patients who wish to shorten treatment schedules.



Fine crystalline surface structure FBR (magn. factor 1:2000)

Color Guide System

The Pitt-Easy implants are available in five diameters in order to meet the different alveolar ridge widths.

The abutments, impression copings and implant analogs are color-coded in diameters 3.75 mm (yellow) and 4.90 mm (blue). Healing abutments and Cover screws are color-coded for each diameter.

The surgical trays are also color-coded and facilitate the handling for dentists and assistants as well as for technicians.

Diameter	Color code	Implant color marking	Surgical tray marking
Ø 3.25 mm	green		
Ø 3.75 mm	yellow		
Ø 4.00 mm	red		
Ø 4.90 mm	blue		
Ø 6.50 mm	grey		

Legal notice

The implant may only be used by doctors who are suitably familiar with the system. The instructions (in this product catalog, the brochure “insertion technique“, and the instructions for 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.

Surgery

Pre-surgical planning	Item No.	Ø mm
Drilling Guide Set set of 2 drilling guides each, Ø 3.25 – 6.50 mm, 5 positioning aid pins)	90317	
Drilling Guides (package of 2) for the preparation of drilling templates (internal Ø 2.00 mm)	90306 90308 90310 90312 90314	Ø 3.25 Ø 3.75 Ø 4.00 Ø 4.90 Ø 6.50
Positioning Pins (package of 2) length 35 mm, for fixation of the drilling guides on the model	90316	Ø 2.00
Twist Drill Special for use with drilling guides, laser marked 8 – 20 mm, cutting at the apical portion, the remaining part of the cutting edge is dulled to avoid abrasion within the drilling guide	90009	Ø 2.00
X-Ray Indicator for selection of implant lengths and diameters, for placing on the panoramic radiograph, magnification factor 1:1/1:1.25/1:1.40	90074	
X-Ray Balls package of 6	90150	Ø 5.00
Osteometer to determine the alveolar bone profile pre-surgical, for the preselection of the implant diameters	1210	

X-Ray Indicator

X-Ray Balls

PITT-EASY® Implants

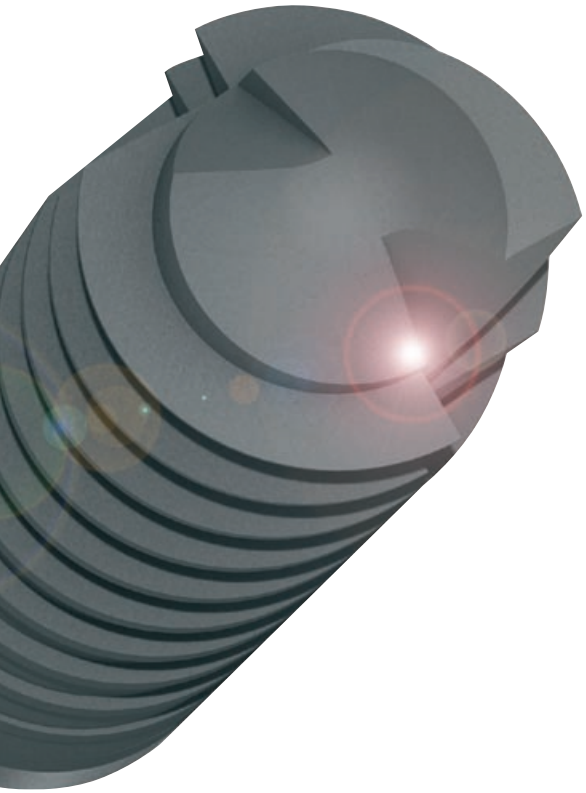
Implants

Pitt-Easy implants are delivered with a pertaining cover screw, stored in the lid of the acrylic vial. For reasons of hygiene, only single use of the Retaining screw is permissible.

The cover screws have an internal hex. The pertaining inbus driver is designed for a friction-fit.

When placing an order, please specify if you want implants with V-TPS surface (Item No. plus V-TPS), implants with FBR surface (Item No. plus FBR) and PURETEX surface (Item No. plus PUR). Please use the optimal implant length for each case.

Implants of diameter 3.25 mm are basically not suitable for single tooth replacement in the molar region.



Item No.

Ø 3.25 mm

PURETEX®	V-TPS	FBR	Length mm
32508 PUR	32508 V-TPS	32508 FBR	8
32510 PUR	32510 V-TPS	32510 FBR	10
32512 PUR	32512 V-TPS	32512 FBR	12
32514 PUR	32514 V-TPS	32514 FBR	14
32516 PUR	32516 V-TPS	32516 FBR	16

Ø 3.75 mm

PURETEX®	V-TPS	FBR	
37508 PUR	37508 V-TPS	37508 FBR	8
37510 PUR	37510 V-TPS	37510 FBR	10
37512 PUR	37512 V-TPS	37512 FBR	12
37514 PUR	37514 V-TPS	37514 FBR	14
37516 PUR	37516 V-TPS	37516 FBR	16

Ø 4.00 mm

PURETEX®	V-TPS	FBR	
40008 PUR	40008 V-TPS	40008 FBR	8
40010 PUR	40010 V-TPS	40010 FBR	10
40012 PUR	40012 V-TPS	40012 FBR	12
40014 PUR	40014 V-TPS	40014 FBR	14
40016 PUR	40016 V-TPS	40016 FBR	16

Ø 4.90 mm

PURETEX®	V-TPS	FBR	
49008 PUR	49008 V-TPS	49008 FBR	8
49010 PUR	49010 V-TPS	49010 FBR	10
49012 PUR	49012 V-TPS	49012 FBR	12
49014 PUR	49014 V-TPS	49014 FBR	14

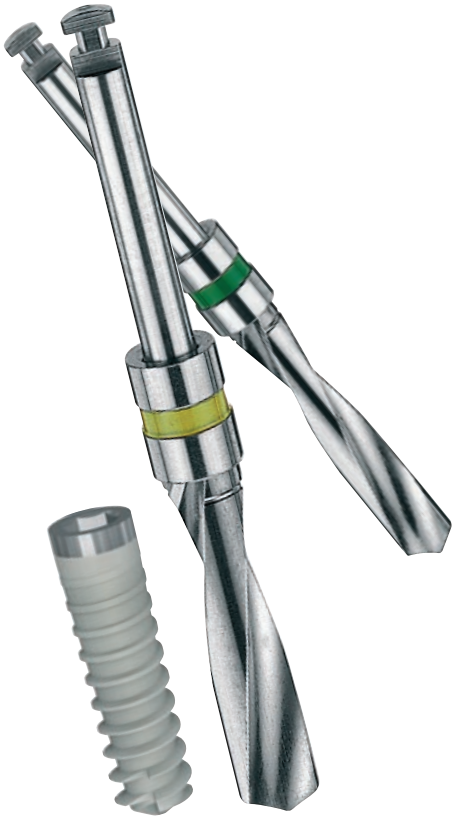
Ø 6.50 mm

	V-TPS	FBR	
	65010 V-TPS	65010 FBR	10
	65012 V-TPS	65012 FBR	12
	65014 V-TPS	65014 FBR	14

Simultaneous Drills

Simultaneous Drills with fixed stop	Item No.	Cutting Depth mm

Simultaneous drills with fixed stop serve to precisely prepare the implant bed. They are color coded on the shaft center part and indicate the length of the cutting depth. In order to guarantee the optimal osseointegration, they perform a standardized bore shaft adjusted to the length and diameter of the corresponding implant body. The simultaneous drills are slightly undersized, enabling the self-tapping property of the Pitt-Easy implant concept to become effective. The thread profile of the drills favors the conserving of vital bone. Simultaneous drills have an additional length of 1 mm above the graduation-mark as compared to the corresponding implant.



Ø 3.25 mm

92508	8
92510	10
92512	12
92514	14
92516	16

Ø 3.75 mm

97508	8
97510	10
97512	12
97514	14
97516	16

Ø 4.00 mm

94008	8
94010	10
94012	12
94014	14

Ø 4.90 mm

94908	8
94910	10
94912	12
94914	14

Ø 6.50 mm

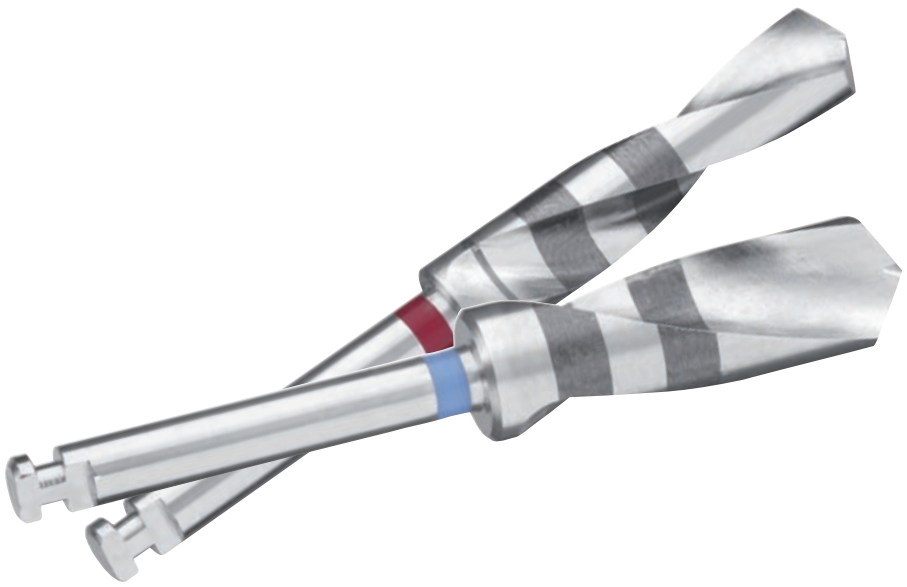
Drills for Ø 6.50 mm see pages 11/12.

Initial Drills

Initial Drills for all diameters	Item No.	Ø mm	Cutting Depth mm	
Crestotom for the removal of soft tissue, for smoothing and levelling of the alveolar crest	1452			
Drill Extension with latch shaft	1480			
Initial Perforation (IP) Drill for initial perforation of the compact cortical bone	90024	Ø 2.00	16	
Twist Drill, short laser marked 8/10/12/14/16 mm	90422	Ø 2.00	16	
2-Caliber Drill to enlarge the osteotomy from Ø 2.00 mm to Ø 3.00 mm	90413		11	

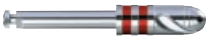
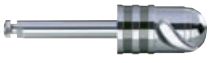
Universal Drills

Final Drills	Item No.	Ø mm	Cutting Depth mm	
Final Drill for Ø 3.25 mm one green ring laser marked: 8/10/12/14/16 mm	90426	Ø 3.15	16	
Final Drill for Ø 3.75 mm one yellow ring laser marked: 8/10/12/14/16 mm	90430	Ø 3.55	16	
Final Drill for Ø 4.00 mm one red ring laser marked: 8/10/12/14/16 mm	90418	Ø 3.80	16	
Final Drill for Ø 4.90 mm one blue ring laser marked: 8/10/12/14 mm	90423	Ø 4.60	14	
Final Drill for Ø 6.50 mm one grey ring laser marked: 8/10/12/14 mm	90446	Ø 6.20	14	



Universal Drills

Interspace Drills	Item No.	Ø mm	Cutting Depth mm	
Interspace Drill one ring blue/one ring white as intermediate size between 90418 (pg.11) and 90423 (pg.11) laser marked: 8/10/12/14 mm (only for implants-Ø 4.90 mm)	90428	Ø 4.25	14	
Interspace Drill one ring grey/one ring white as intermediate size between 90423 (pg.11) and 90448 (pg.12) laser marked: 8/10/12/14 mm (only for implants-Ø 6.50 mm)	90447	Ø 5.10	14	
Interspace Drill one ring grey/two rings white as intermediate size between 90447 (pg.12) and 90446 (pg.11) laser marked: 8/10/12/14 mm (only for implants-Ø 6.50 mm)	90448	Ø 5.60	14	

Cortical Drills	Item No.	Ø mm	Cutting Depth mm	
for compact cortical bone in the mandible				
Cortical Drill for Ø 3.25 mm two green rings	90095	Ø 3.20	4	
Cortical Drill for Ø 3.75 mm two yellow rings	90096	Ø 3.65	4	
Cortical Drill for Ø 4.00 mm two red rings	90097	Ø 3.90	4	
Cortical Drill for Ø 4.90 mm two blue rings	90098	Ø 4.70	4	
Cortical Drill for Ø 6.50 mm two grey rings	90099	Ø 6.35	4	

Surgical Trays

The surgical tray for Ø 3.25 – 4.90 mm

As an alternative to the large surgical tray containing the complete set of simultaneous drills, a small version of the tray is now available for the implant diameters 3.25/3.75/ 4.00 and 4.90 mm. The small tray contains all components which are required for a quick and rational insertion. An illustrated guide for the assistant staff members is contained in the surgical tray.

Silicone inserts secure the drills and instruments and avoid loss.

Tray Size: 195 mm x 147 mm x 45 mm

The tray contains the following products in insertion sequence to ensure a rational smooth surgery:

1 Initial Perforation Drill
1 Twist Drill, short
1 2-Caliber Drill
1 Depth Gauge
4 Final Drills and 4 Cortical Drills
for Ø 3.25/3.75/4.00 and 4.90 mm
1 Interspace Drill for Ø 4.90 mm
4 Implant Drivers for Finger Keys or Torque Wrench
2 long and 2 short for Ø 3.25 – 4.90 mm
3 Direction Indicators
2 Hex Drivers, shaft length 6 and 12 mm
1 Drill Extension
1 Finger Key Ø 20 mm, for Hexagonal Insert
2 O-rings for Prosthetic Drivers
1 Driver Sleeve Ø 10 mm
1 Pitt-Easy X-Ray Indicator

Surgical Trays

For all five diameters

Surgical Tray for five diameters

This surgical tray for all five implant diameters offers several improvements as compared to the former version.

The insertion instruments were designed considering the dentists experience and wishes, the trays were equipped accordingly. The tray is delivered with drills and instruments for the diameters 3.25 to 4.90 mm.

Silicone inserts secure the drills and instruments and avoid loss.

An additional drill set for the diameter 6.50 mm is available (see page 15).

The tray contains the following products in insertion sequence to ensure a rational smooth surgery:

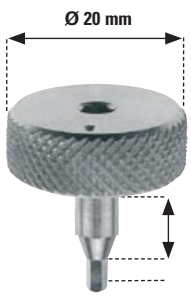
1 Crestotom
1 Depth Gauge
3 Initial Drills
18 Simultaneous Drills
4 Final Drills and 4 Cortical Drills for the diameters 3.25 to 4.90 mm
1 Interspace Drill for diameter 4.90 mm
4 Finger Keys, manual use
2 Implant Drivers for Finger Keys or Torque Wrench
6 Parallel Indicators
1 Drill Extension
1 Hex Driver, driver width 1.70 mm, for manual use
4 free insert spaces for drills for diameter 6.50 mm
1 Pitt-Easy X-Ray Indicator
1 Driver Sleeve

Surgical Trays

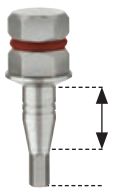
Surgical Trays	Item No.	Ø mm
Pitt-Easy Surgical Tray large surgical tray for all 5 diameters, equipped for Ø 3.25 – 4.90 mm	90212	Ø 3.25 Ø 3.75 Ø 4.00 Ø 4.90
Surgical Tray, empty	90211	
Set of additional drills for Ø 6.50 mm Final Drill (90446) Interspace Drill (90447) Interspace Drill (90448) Cortical Drill (90099)	90200	Ø 6.50
Spare filters for large surgical tray (90212), 25 pcs.	90202	
Pitt-Easy Surgical Tray equipped for Ø 3.25 – 4.90 mm	90208	Ø 3.25 Ø 3.75 Ø 4.00 Ø 4.90
Surgical Tray for Ø 3.25 – 4.90 mm empty	90207	

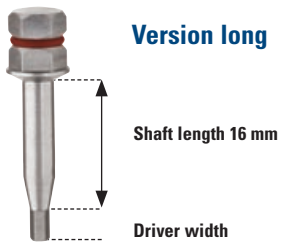
Instruments and Accessories

Finger Keys, one-piece	Item No.	Ø mm	Width/Length mm	
Finger Key with rotation control mark and fixed hexagonal insert for manual implant insertion				
Finger Key short				
for implants Ø 3.25 and 3.75 mm	90093	Ø 3.25 Ø 3.75	2.20	8
for implants Ø 4.00, 4.90 and 6.50 mm	90094	Ø 4.00 Ø 4.90 Ø 6.50	2.50	8
Finger Key long				
for implants Ø 3.25 and 3.75 mm	90053	Ø 3.25 Ø 3.75	2.20	16
for implants Ø 4.00, 4.90 and 6.50 mm	90054	Ø 4.00 Ø 4.90 Ø 6.50	2.50	16



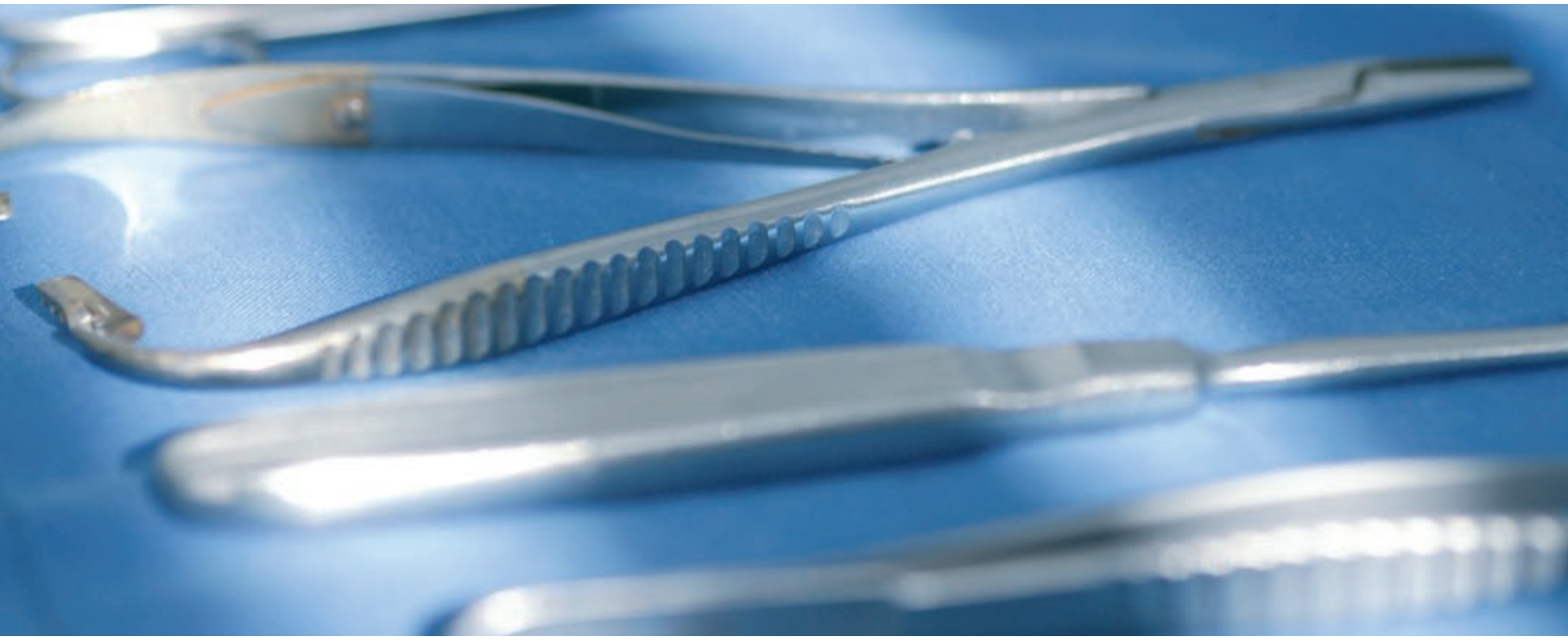
Implant Driver	Item No.	Ø mm	Width/Length mm	
Implant Driver for torque wrench (90239, pg.17) – **Please note: Strictly follow the insertion instructions.** or Finger Key (90440, pg.17)				
Implant Driver short				
for implants Ø 3.25 and 3.75 mm	90433	Ø 3.25 Ø 3.75	2.20	8
for implants Ø 4.00, 4.90 and 6.50 mm	90434	Ø 4.00 Ø 4.90 Ø 6.50	2.50	8
Implant Driver long				
for implants Ø 3.25 and 3.75 mm	90431	Ø 3.25 Ø 3.75	2.20	16
for implants Ø 4.00, 4.90 and 6.50 mm	90432	Ø 4.00 Ø 4.90 Ø 6.50	2.50	16





Instruments and Accessories

	Item No.	Ø mm	
Torque Wrench incl. adjustment screw, with adjustable torque (10, 15, 20, 25, 30, ∞ Ncm)	90239		
Finger Key Ø 20 mm, for exchangeable implant driver (pg. 16), with torque setting stop	90440		
Implant Driver, Latch-Type for Contra Angle for Ø 3.25 and 3.75 mm 2.2 mm width	90331	Ø 3.25 Ø 3.75	
for Ø 4.00, 4.90 and 6.50 mm 2.5 mm width	90332	Ø 4.00 Ø 4.90 Ø 6.50	
Depth Gauge for checking the insertion depth, laser marked: 8 – 16 mm, Ø 2.00 mm	90540		
Direction Indicator center ring Ø 3.50 mm, Ø 2.00 and 3.00 mm	90039		



Prosthetics

Open or closed impression

Owing to its flattened side and its horizontal and vertical grooves (version for closed impression) the titanium impression coping is secure against rotation and guarantees optimal repositioning.
In the case of a subgingival implant restoration, the healing abutment can be used to form the tissue. If a two-stage surgical option is chosen, the implant can be uncovered prior to the end of the healing process and the healing abutment can be inserted. After two or more weeks, the soft tissue is healed and an impression can be taken.

For impression taking, the healing abutment is removed and the impression coping is screwed into the implant with the hex driver.

To facilitate repositioning in the impression and to permit control by the laboratory technician after fabrication of the model, the *flat* side of the impression coping should be placed into the implant labially or vestibularly before the impression is made.

For taking impressions only individual impression trays should be used.

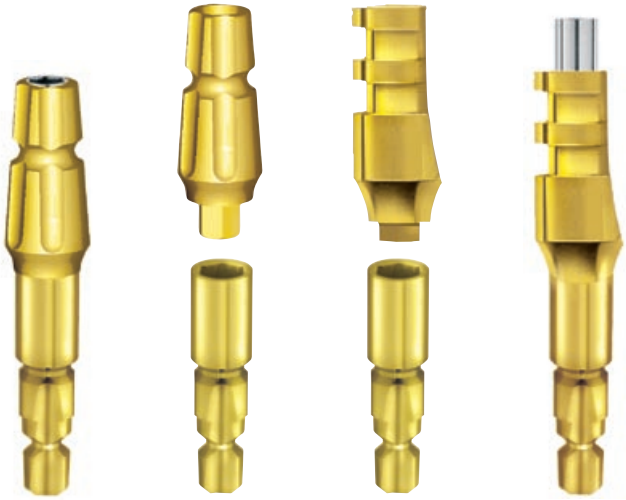
The decision as to whether a closed or an open impression method should be used is dependent on the parallelism, number, and angulation of the implants. In the case of a pro-nounced lack of parallelism (also in relation to the remaining teeth) an open impression is recommended.

The use of healing abutments with conical shape is recommended for prosthetic reconstructions with:
- Locator System
- Paracentric Line
- Ball Head Abutments

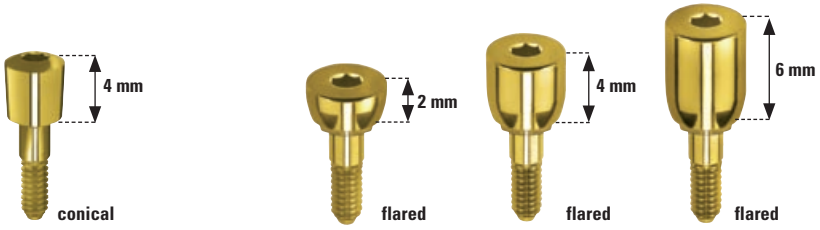
Hex Driver with
Driver Sleeve

Impression coping
with implant analog
for closed impression

Impression coping
with implant analog
for open impression



Healing Abutments for gingiva thicknesses from 2 to 6 mm



Impressions	Item No.	Ø mm
Impression Coping	90155	Ø 3.25
for open impression	90156	Ø 3.75
including long impression pin	90157	Ø 4.00
	90158	Ø 4.90
	90159	Ø 6.50
Impression Coping	90055	Ø 3.25
for closed impression	90056	Ø 3.75
including short impression pin	90057	Ø 4.00
	90058	Ø 4.90
	90059	Ø 6.50
Implant Analog	90065	Ø 3.25
	90066	Ø 3.75
	90067	Ø 4.00
	90068	Ø 4.90
	90069	Ø 6.50

Hex Driver		Item No.	Length mm
for torque wrench	} use with driver sleeve or torque wrench (pg. 42…)	90625	24
for torque wrench		90623	31
for contra angle (latch)		90323	

Healing Abutments	Item No.	Ø mm
Healing Abutment	32541	Ø 3.25
flared	37541	Ø 3.75
gingiva height: 2 mm	40041	Ø 4.00
	49041	Ø 4.90
	65041	Ø 6.50
Healing Abutment	32543	Ø 3.25
flared	37543	Ø 3.75
gingiva height: 4 mm	40043	Ø 4.00
	49043	Ø 4.90
	65043	Ø 6.50
Healing Abutment	32546	Ø 3.25
flared	37546	Ø 3.75
gingiva height: 6 mm	40046	Ø 4.00
	49046	Ø 4.90
Healing Abutment	32544	Ø 3.25
conical	37544	Ø 3.75
gingiva heightaa: 4 mm	40044	Ø 4.00
	49044	Ø 4.90

Organizer

Box with compartments equal to the tooth sequence	90354	
inserts (10 pieces each) for spare order	90353	

Abutment Trial Set

Contents of Set	Set-Item No.	Single-Item No.
Abutment Trial Set, complete for checking the optimal position of the abutments. The set contains 4 trial abutments each as follows:	90347	
• Trial Abutment straight for Ø 3.25/3.75 mm		90368
• Trial Abutment straight for Ø 4.00/4.90/6.50 mm		90369
• Trial Abutment 15° Version A for Ø 3.25/3.75 mm		90360
• Trial Abutment 15° Version A for Ø 4.00/4.90/6.50 mm		90361
• Trial Abutment 15° Version B for Ø 3.25/3.75 mm		90362
• Trial Abutment 15° Version B for Ø 4.00/4.90/6.50 mm		90363
• Trial Abutment 25° Version A for Ø 3.25/3.75 mm		90364
• Trial Abutment 25° Version A for Ø 4.00/4.90/6.50 mm		90365
• Trial Abutment 25° Version B for Ø 3.25/3.75 mm		90366
• Trial Abutment 25° Version B for Ø 4.00/4.90/6.50 mm		90367

The Abutment Trial Set serves to predetermine the exact prosthetic abutments and positioning in practice and laboratory.

Trial abutments are also availabe separately as set of four (see single-item no.)

Detailed description with cleaning instructions is included.

A.G.T.® Line

Esthetic Temporary Abutment

The A.G.T.® abutment is used for post-operative gingival moulding, and at the same time for initiating esthetic temporary treatment. Its design is preconstructed with an anatomical gingival shoulder. The abutment is made of a tooth-coloured acrylic material and, like the final titanium or ceramic abutment which can be selected later, can be fastened precisely with a retaining screw to prevent rotation. It is used for the fabrication of a temporary crown and should only remain in the mouth until the gingiva has healed.
Temporary cement can be used for cementation.

After healing and formation of the papillae, the temporary crown is easily removed by loosening the retaining screw along with the A.G.T.® abutment.

Impression – see page 18

A.G.T.® Abutment	Item No.	Ø mm
A.G.T.® Abutment	32588	Ø 3.25
acrylic (P.O.M.)	37588	Ø 3.75
	40088	Ø 4.00
	49088	Ø 4.90

Hex Driver	Item No.
driver width 1.70 mm with friction grip, for retaining screw, use with driver sleeve or torque wrench (pg. 42…)	90623

Retaining screw can be shortened up to the marking

V.D.L. Esthetic Line

The titanium anti-rotation abutments of the V.D.L. Esthetic Line show several advantages. The most important feature is the circular, groovelike shoulder which is lower in the buccal area for esthetics and slightly ascends with an elegant swing towards the lingual. This enables the technician to prepare an exact, clearly defined crown margin. The subgingival design of the V.D.L. Esthetic abutments allows individual adjustment to the gingiva contour as well as an adjustment to the anatomical direction of the tooth.

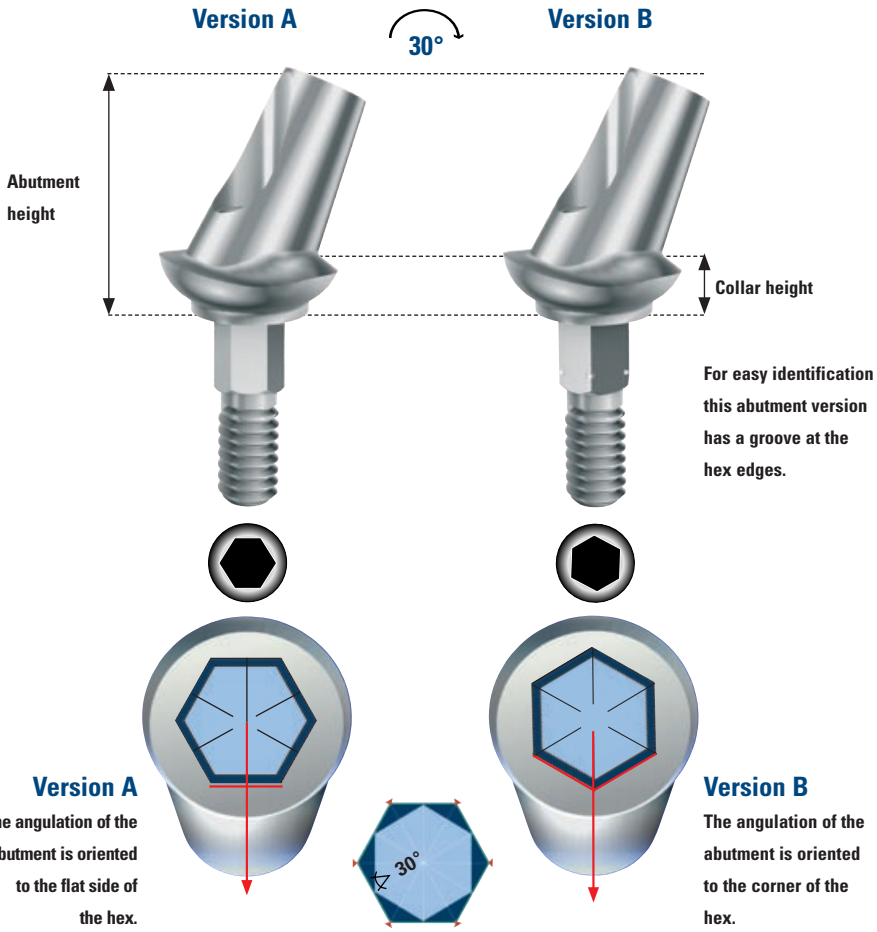
The internal design of the abutment was advanced so that the outer shape of the abutment remains slim, which is of considerable advantage for the design of narrow incisors. We recommend the use of special titanium drills for the trimming of the V.D.L. Esthetic abutments.

The retaining screw is secured by an additional internal thread system to avoid losing the screw or mistaking it for another. For cleaning purposes, the retaining screw can be unscrewed from the abutment, if necessary.

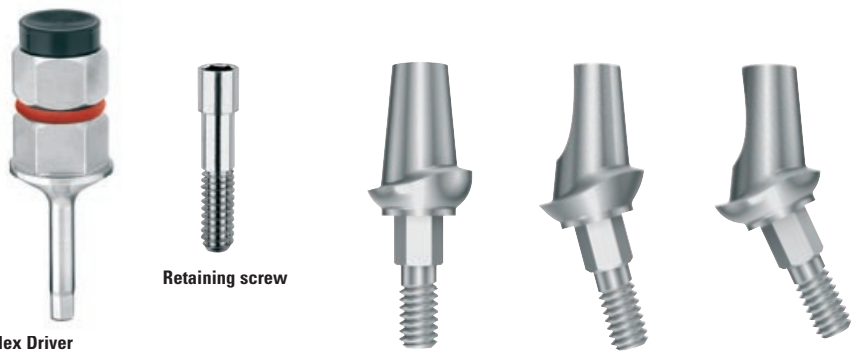
Please note: At the time of the implant insertion the abutment position of Version A or B should be taken into consideration (flat side/version A or corner/version B showing towards labial/buccal). The final trial is made with the original abutment or with a trial abutment (see page 20).

The design of the V.D.L. Esthetic abutment enables the technician to meet and exceed the high demands of function and esthetics of today's implant prosthetics.

Impression – see page 18



Abutment view from below: 12 angle positions in 30° steps by versions A and B



Hex Driver
Driver width 1.70 mm

V.D.L. Esthetic Line

V.D.L. Esthetic Abutments	Item No.	Item No.	Ø mm
	= A	= B	
V.D.L. Esthetic Abutment, titanium, 0° straight			
collar height 1.20 mm/abutment height 7.50 mm	32656		Ø 3.25
	37656		Ø 3.75
	40156		Ø 4.00
	49156		Ø 4.90
	65156		Ø 6.50
V.D.L. Esthetic Abutment, titanium, 0° straight			
collar height 2.00 mm/abutment height 8.30 mm	32659		Ø 3.25
	37659		Ø 3.75
	40159		Ø 4.00
	49159		Ø 4.90
V.D.L. Esthetic Abutment, titanium, 15° angled			
collar height 1.20 mm/abutment height 8.20 mm	32654	32675	Ø 3.25
	37654	37675	Ø 3.75
	40154	40175	Ø 4.00
	49154	49175	Ø 4.90
	65154		Ø 6.50
V.D.L. Esthetic Abutment, titanium, 25° angled			
collar height 1.20 mm/abutment height 8.20 mm	32655	32670	Ø 3.25
	37655	37670	Ø 3.75
	40155	40170	Ø 4.00
	49155	49170	Ø 4.90

Hex Driver	Item No.	Length mm
driver width 1.70 mm with friction grip, for retaining screw, use with driver sleeve or torque wrench (pg. 42…)	90623	31
for contra angle (latch)	90323	

Castable Abutment System

C.A.S. Novobase® Abutments	Item No.	gram*	Ø mm
C.A.S. Novobase® Abutment	32527	0.43	Ø 3.25
acrylic/precious metal (Novostil)	37527	0.47	Ø 3.75
	40027	0.55	Ø 4.00
	49027	0.63	Ø 4.90

*precious metal component in gram

Hex Driver	Item No.	Length mm
driver width 1.70 mm with friction grip, for retaining screw, use with driver sleeve or torque wrench (pg. 42…)	90623	31

The C.A.S. Novobase abutment and the C.A.S. Esthetic abutment can be used for many different indications for dentist-removable or cemented superstructures. They allow an individual design of the implant reconstruction which corresponds with the individual patient situation. Even extremely unfavorable angulations or axial divergencies (that are beyond the possibility of confectioned abutments) can be compensated by using this system. Also for telescopic or conus crowns the C.A.S. abutments can be used for perfect results.

The abutments can be shortened, individually modelled and also angulated.

For smoothing the internal screw channel should be prepared with a reamer (Item No. 90247).

C.A.S. Novobase® for a perfect accuracy

The C.A.S. Novobase abutment is a cast-on version. The base consists of machined gold-platinum, so that all precious metal alloys can be used for a cast-on method. The CNC-drilled connection part to the implant guarantees an absolutely precise fit. The upper part is made of a castable acrylic. For direct porcelain application, the use of a ceramic alloy is essential. The abutments can be shortened, individually modelled and also angulated. For an exact fit of the retaining screw, the internal screw channel should be prepared with a reamer (Item No. 90247, pg. 25).

Note: If the complete height of the shaft is used, the long hex driver should be used (Item No. 90623). For a lower height – below the circular groove marking – a short hex driver is sufficient (Item No. 90625)

Note for processing

Interval for fusing: 1,400 – 1,460° C
Preheating temperature: up to 850° C
Casting temperature: up to 1,200° C

Retaining screw

Acrylic, castable

Precious metal

The investment material should be removed by using blast brightening pearls at low blasting pressure of ≤ 1 bar.

Impression – see page 18

Castable Abutment System

C.A.S. Esthetic

The C.A.S. Esthetic abutment of castable acrylic can be individually trimmed, adjusted and waxed up in any dimension on the model prior to casting. Also the angulation can be changed by wax-up.

The C.A.S. Esthetic abutment is castable with all precious metal alloys.

The design of this acrylic abutment with anatomical shoulder follows the V.D.L. Esthetic Line of titanium (pg. 22/23). It can easily be adjusted to the present marginal gingiva contour after gingiva healing.

The shape of this abutment eliminates the necessity to perform a wax-up or other modifications in many cases. This facilitates the handling for the technician and saves time. The abutment can be used for all casting alloys (titanium only by pressure casting procedure).

We recommend the use of precious metal alloy!

The preparation of casting channels should always be started laterally in the direction of the hex. The hex guarantees a perfect anti-rotation safety and is able to shape itself after casting and thus ensure stability. Please pay attention to exact modelling and trimming of the hex in order to obtain a perfect fit to the implant. For the precise fit of the retaining screw, the internal screw channel should be prepared with the reamer. For fixation and unscrewing of the retaining screw, please use the hex driver.

C.A.S. Esthetic Abutments	Item No.	Ø mm
C.A.S. Esthetic Abutment acrylic, castable	32537	Ø 3.25
	37537	Ø 3.75
	40037	Ø 4.00
	49037	Ø 4.90

Reamer	Item No.
for the Castable Abutment System and the Paracentric Bar Element Acrylic for finishing of the screw channel after casting	90247

Hex Driver	Item No.	Length mm
driver width 1.70 mm with friction grip, for retaining screw, use with driver sleeve or torque wrench (pg. 42…)	90623	31

Retaining screw can be shortened up to the marking

CAD/CAM-Base

New

CAD/CAM-Base

The CAD/CAM-Base abutment serves to fabricate individual zirconium abutments for the Pitt-Easy implant system.

This prosthetic construction puts the user in a position to satisfy the highest esthetic demands placed on implant-supported dentures. The abutment is constructed in two parts so that in production the fabricated zirconium part is bonded with the titanium base.

To make an individual wax-up easier, a plastic chimney is placed on the titanium base as a modelling base at the outset.
In order to represent the subsequent screw channel, a scan screw is optionally available, which can be screwed with the titanium base for scanning the “inner contours”.

Important:
The instructions must be read completely prior to processing the product!

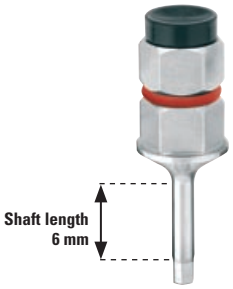
CAD/CAM-Base	Item No.	Ø mm
CAD/CAM-Base	32569	Ø 3.25
	37569	Ø 3.75
	40069	Ø 4.00
	49069	Ø 4.90

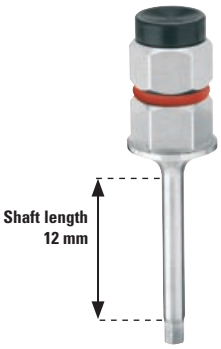
supplied incl. laboratory screw and retaining screw

Screws	Item No.	Length mm
Retaining screw	90276	10 mm
Laboratory screw	90278	10 mm
Scan screw	90282	17 mm

Instruments	Item No.
Hex Driver	
for torque wrench, shaft length 6 mm	90625
for torque wrench, shaft length 12 mm	90623
for contra-angle	90323
Torque Wrench	90239

CAD/CAM-Base





Retaining screw

Laboratory screw

Scan screw

Individual Abutments

With the Individual Abutments we have created abutments for which the primary parts for the telescopic or conus crown technique can be drilled from the full material. All implant analogs can be provided with the abutments corresponding to the diameters.

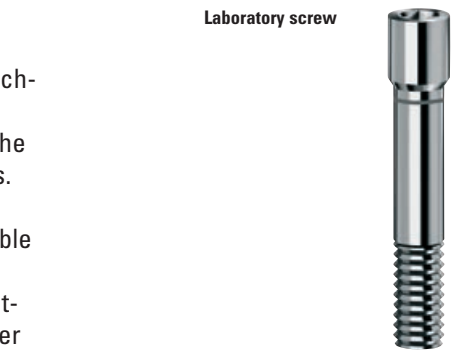
The Individual Abutments are ideally suitable also for the preparation of individual angulated abutments, for instance if a abutment is required which should have another angulation than 0°, 15° or 25°. Also, in case a special gingiva contour requires a circular shoulder which cannot be prepared from a confectioned abutment, this solid Individual Abutment can be used. The crown or bridge construction can be cemented or individually screwed to this Individual Abutment.

By means of direct veneering with titanium ceramic material individual ceramic abutments or directly screw-retained crowns can be fabricated.

For trimming of the Individual Abutment on the model or with the H.U.G.O. instrument (page 29), the laboratory screws are provided. These have a circular marking at the screw shaft and should be used during the lab procedure. The retaining screws are used for final fixation of the prosthetic construction in the mouth. We recommend the use of titanium drills.

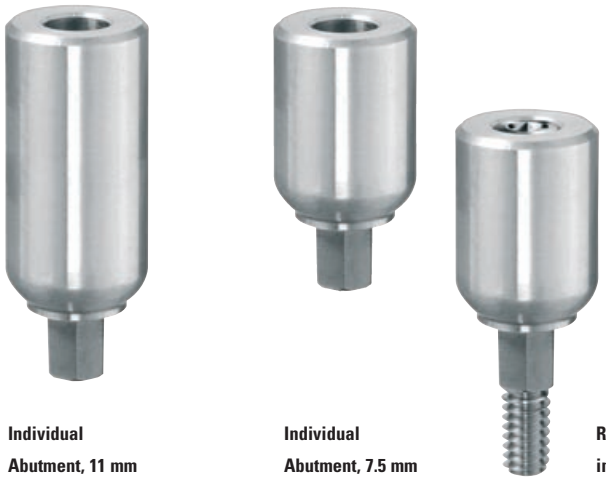
When planning a telescoping construction on implants or implants in combination with natural teeth, please pay attention to the construction's static safety, i.e. distal support.

Impression – see page 18



Laboratory screw

Retaining screw



Individual Abutment, 11 mm

Individual Abutment, 7.5 mm

Retaining screw inserted

Individual Abutment, inserted in H.U.G.O instrument

Individual Abutment, trimmed

Individual Abutments

Individual Abutments	Item No.	Ø mm
Individual Abutment short length 7.5 mm, titanium, incl. retaining screw and lab screw	32549 37549 40049 49049 65049	Ø 3.25 Ø 3.75 Ø 4.00 Ø 4.90 Ø 6.50
Individual Abutment long length 11 mm, titanium, incl. retaining screw and lab screw	32564 37564 40064 49064	Ø 3,25 Ø 3,75 Ø 4,00 Ø 4,90

Screws	Item No.	Length mm
Retaining screw	90276	10
Laboratory screw	90278	10

Hex Driver	Item No.	Length mm
driver width 1.70 mm with friction grip, for retaining screw, use with driver sleeve or torque wrench (pg. 42…)	90623	31
for contra angle (latch)	90323	

Set of instruments	Item No.
H.U.G.O. set of holding instruments for abutments holding, grinding, smoothing, optimizing	90250

Paracentric Line

Hex Driver

Paracentric Line is especially designed for bar structures with diverging abutments.

This unique system provides the opportunity to use screw-retained superstructures with easy compensation of divergencies. The Paracentric Line consists of three parts: permucosal extension, bar connection element, and retaining screw. The titanium permucosal extension with hexagonal base fits precisely into the implant body's hexagonal socket. The different heights of the permucosal extensions compensate the varying thickness of the mucosa. The bar element is available either in acrylic, precious metal, castable alloy, or titanium. Since the hex provides primary stability to the permucosal extension and the bar element is being stabilised through the cone, the forces applied to the bar construction are diverted from the retaining screw and prevent loosening and fracture.

Retaining screw
Titanium

Advantages for the Dentist

- easy removal of bar for proper cleaning at any time
- permucosal extension and bar retained by one retaining screw
- excellent superstructure evaluation at try-in due to horizontal plane above gingival level (gap detection)

Advantages for the Laboratory Technician

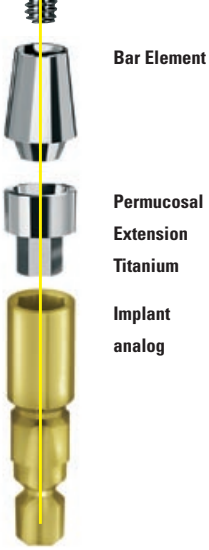
- the 20° cone angle permits a corresponding correction of disparallelism
- due to the different materials of the bar segment the technician can cast the construction (acrylic preconfectioned parts); cast on, solder, or glue semiconfectioned gold parts and laser-weld or glue semiconfectioned titanium components

Bar Element

Acrylic

Titanium

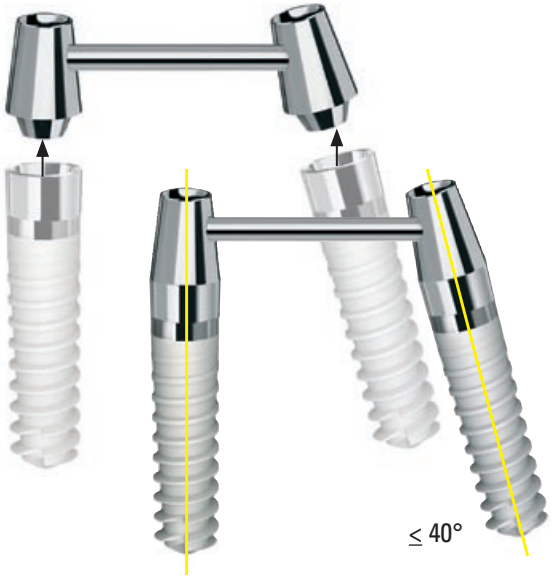
Precious Metal



Bar Element

Permucosal Extension Titanium

Implant analog



≤ 40°

Implant divergencies up to 40° can be compensated by the conical design of the connecting piece of the permucosal extension to the bar segment.

Note for processing

Interval for fusing: 1,400 – 1,460° C
Preheating temperature: up to 950° C
Casting temperature: up to 1,200° C

Impression – see page 18

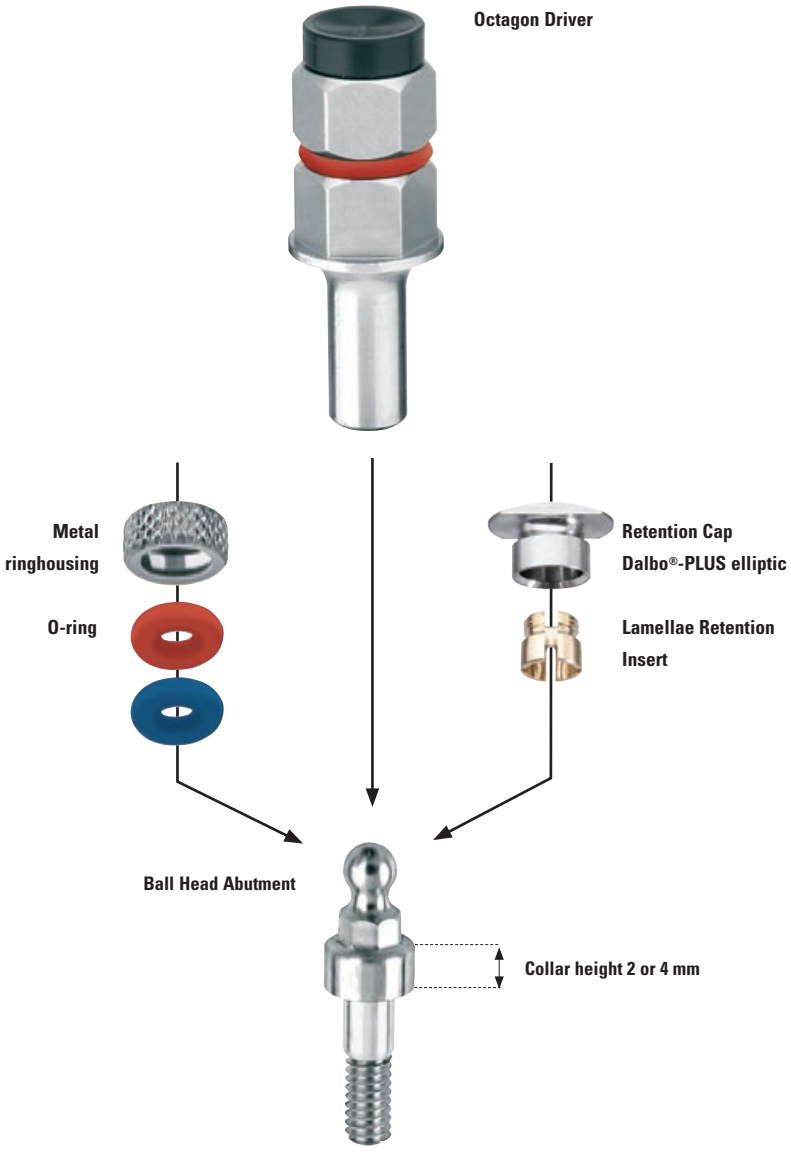
Paracentric Line

Paracentric Abutments	Item No.	Ø mm
Paracentric Bar Element		
5 mm height		
acrylic	90277	
precious metal (Novostil)	90279	
titanium (not recommended for titanium casting)	90281	
Paracentric Permucosal Extension	32577	Ø 3.25
titanium	37577	Ø 3.75
with retaining screw, length 14 mm	40077	Ø 4.00
2 mm height	49077	Ø 4.90
Paracentric Permucosal Extension	32578	Ø 3.25
titanium	37578	Ø 3.75
with retaining screw, length 16 mm	40078	Ø 4.00
4 mm height	49078	Ø 4.90
Paracentric Permucosal Extension	32567	Ø 3.25
titanium	37567	Ø 3.75
with retaining screw, length 18 mm	40067	Ø 4.00
6 mm height	49067	Ø 4.90

Hex Driver	Item No.	Length mm
driver width 1.70 mm with friction grip, for retaining screw, use with driver sleeve or torque wrench (pg. 42…)	90623	31

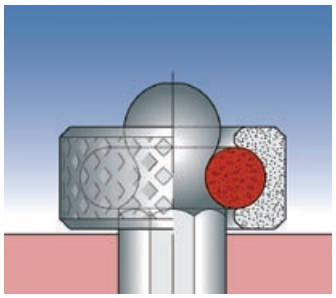
Reamer	Item No.
for polishing the cast after veneering (for Paracentric Bar Element acrylic)	90247

Ball Head Abutment System

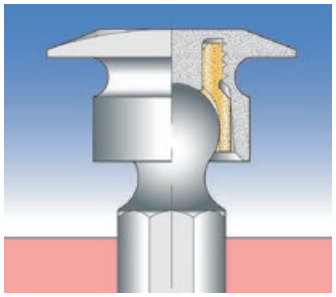


From now on, you have the possibility to use Ball Head Abutments either with the O-ring and metal-ringhousing or with the retention cap Dalbo-PLUS elliptic. For smaller interdental spaces this abutment variation offers an economic and esthetic solution (no gingiva metal transparency).

The Ball Head Abutment (titanium) supports a resilient anchoring element, secures the denture from different forces (such as pulling, pressure or lateral load), and guarantees a relief of the implants when rotation forces in different directions are stressing the prosthetic construction.



Metal Ringhousing with O-ring



Retention Cap Dalbo®-PLUS elliptic Shear strength can be adjusted from 200 to 1,200 grams

Indication

- stabilization of a removable prosthesis (preferably supported by four implants in the interforaminal region of the mandible)

Ball Head Abutments are not indicated for connected constructions.

Ball Head Abutment System

Ball Head Abutments	Collar Height	Item No.	Ø mm
Ball Head Abutment titanium	2 mm	32551	Ø 3.25
	2 mm	37551	Ø 3.75
	2 mm	40051	Ø 4.00
	2 mm	49051	Ø 4.90
	4 mm	32553	Ø 3.25
	4 mm	37553	Ø 3.75
	4 mm	40053	Ø 4.00
	4 mm	49053	Ø 4.90

Single items	Item No.
Metal Ringhousing and O-rings complete	90301
Retention Cap Dalbo®-PLUS elliptic* complete, incl. Lamellae Retention Insert	90289
Metal Ringhousing individual	3582
O-ring individual	
red	3587
blue	3589
Lamellae Retention Insert* individual	90287

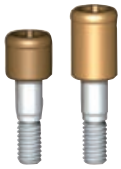
	Item No.
Implant Analog for Ball Head Abutments	2251
Octagon Key for Ball Head Abutments use with driver sleeve or torque wrench (pg. 42…)	90650
Activator* for retention cap Dalbo®-PLUS elliptic	90288

Impression – see page 18

* Producer: Cendres & Métaux SA

Locator Abutment System

Locator Abutments		Collar	Item No.	Ø mm
The Locator Abutment is an attachment with a self-aligning feature. This feature will aid patients in seating their denture and eliminate additional wear from improper seating.	1 mm	8311	3.25 mm	
	3 mm	8313	3.25 mm	
	1 mm	8321	3.75 mm	
	3 mm	8323	3.75 mm	
	1 mm	8331	4.00 mm	
With the Locator's minimal vertical height, it is ideal where interocclusal space is limited. This abutment can also accommodate up to 40° between implants.	3 mm	8333	4.00 mm	



Locator Attachments	Item No.
Locator Male Processing Package 2 Sets, each Set include: 1 Processing Replacement Male 8515, 1 Replacement Male 8524/ 8527/8529, 1 Spacer white	8519
Locator Replacement Male clear, 4 Pack	8524
Locator Light Retention Replacement Male pink, 4 Pack	8527
Locator Extra Light Retention Replacement Male, blue, 4 Pack	8529

Locator Attachments	Item No.
Locator Extended Range Replacement Male green, 4 Pack	8547
Locator Extra Light Extended Range Male red, 4 Pack	8548
Locator Black Processing Replacement Male black, 4 Pack	8515

Locator Parallel Post 4 Pack	8517
Locator Impression Coping 4 Pack	8505
Locator Female Analog 4 mm Diameter. 4 Pack	8530
Angle Measurement Guide	9530

Locator Parallel Post

Locator Impression Coping

Female Analog Ø 4 mm

Angle Measurement Guide

Locator Core Tool	8393
Locator Key	8317

Manufacturer: Zest Anchors Inc.

Torque Wrench	90239

Standard Abutments with hex

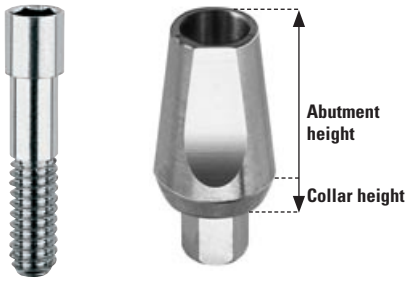
The standard abutment (titanium) with hex is indicated for cemented crown and bridge restorations.

The standard abutment is retained directly to the implant by the retaining screw.

Impression taking

The impression is taken by using the impression coping.

Impression – see page 18



Standard Abutment 0°

Standard Abutment 15° | Standard Abutment 25°

Standard Abutments	Collar/Abutment height	Item No.	Ø mm
Standard Abutment, titanium 0° straight	collar height 1 mm abutment height 7 mm	32556 37556 40056 49056 65056	Ø 3.25 Ø 3.75 Ø 4.00 Ø 4.90 Ø 6.50
	collar height 3 mm abutment height 9 mm	32559 37559 40059 49059	Ø 3.25 Ø 3.75 Ø 4.00 Ø 4.90
Standard Abutment, titanium 15° angulation Version A (pg. 22)	collar height 1 mm abutment height 9 mm	32554 37554 40054 49054	Ø 3.25 Ø 3.75 Ø 4.00 Ø 4.90
	collar height 3 mm abutment height 11 mm	32557 37557 40057 49057	Ø 3.25 Ø 3.75 Ø 4.00 Ø 4.90
Standard Abutment, titanium 25° angulation Version A (pg. 22)	collar height 1 mm abutment height 9 mm	32555 37555 40055 49055	Ø 3.25 Ø 3.75 Ø 4.00 Ø 4.90

Hex Driver	Item No.	Length mm
driver width 1.70 mm with friction grip, for retaining screw, use with driver sleeve or torque wrench (pg. 42…) for contra angle (latch)	90623 90323	31

Prosthetic Accessories

Bar and Clip System

The Bar and Clip System provides easy external splinting of implants and is particularly suitable for screw-retained bar frameworks and clip-attached prostheses.

The system consists of

- Resilient/Rigid castable Bars
- Clips, made of permanently flexible, high-precision acrylic
- Metal Housings for Clips (chrome-nickel-alloy)
- Press-In Pin

With all accessory parts made of castable acrylic, the laboratory technician is free to choose among all available alloys, ideally titanium, of course. This structure is castable in one piece thus keeping the alloy in the oral cavity at a minimum. The clip housing, made of metal, assures an optimal positioning of the clip.

Metal Housing for Clips

Clips

Press-In Pin

Round Bar, 50 mm

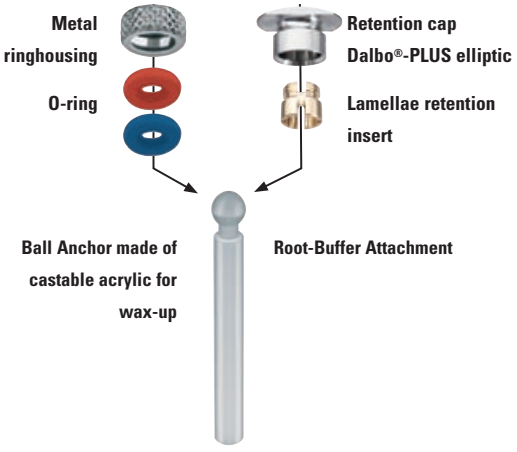
Bar, drop profile, 50 mm

Bar, drop profile, Degulor M, 25 mm

Profile Bar, rigid, 50 mm

Root-Buffer Attachment

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



Prosthetic Accessories

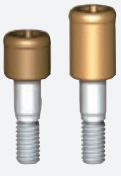
Bar and Clip System	Item No.
Single items, delivery of 6 resp. 4 each	
• 6 Clips, yellow, Ø 1.80 mm (stronger friction)	3577
• 6 Clips, orange, Ø 1.90 mm (weaker friction)	3572
• 4 Metal Housings for Plastic Clips	3566
• 6 Profile Bars, green, L 50 mm	3573
• 6 Bars, drop profile, yellow, L 50 mm	3574
• 6 Round Bars, blue, Ø 1.80 mm, L 50 mm	3575
• 1 Press-In Pin, black	3555
• 1 Bar, drop profile, gold alloy Degulor M	3563

	Item No.
Root-Buffer Attachment	
Ball anchor, castable acrylic, (Ø 2.25 mm)	90298
Metal Ringhousing	3582
O-ring	
red	3587
blue	3589
Retention Cap Dalbo®-PLUS elliptic complete* (for Ø 2.25 mm), producer: Cendres & Métaux SA	90289
Metal Ringhousing and O-rings complete* (for Ø 2.25 mm)	90301

*single items see pg. 33

Table Prosthetic Lines and Abutments

Titanium

Abutments for impression taking	Abutments without hex for complete denture, not rotation-safe	Abutments with anti-rotational hex
 **Impression Coping** closed	 **Ball Head Abutment** 2/4 mm neck height	 **Standard Abutment** straight 0°, 15°, 25° anti-rotational 7/9 mm height
 **Impression Coping** open	Anchoring elements for Ball Head Abutments  **Metal Ringhousing with O-rings**	 **V.D.L. Esthetic Line** straight 0°, 15°, 25° with retention of retaining screw
 **Healing Abutment** conical 4 mm height	 **Retention cap Dalbo®-PLUS elliptic with lamellae retention insert**	 **Individual Abutment** to be milled individually 7.5 and 11 mm height
 **Healing Abutment** flared 2/4/6 mm height		 **Paracentric Line** Bar Element 5 mm height
 **Implant Analog**	 **Locator System**	**Permucosal Extension** 2/4/6 mm height Titanium

I Precious metal

Abutments with anti-rotational hex

C.A.S. Novobase®
Castable Abutment System
castable
acrylic/precious metal

Paracentric Line
Bar Element
5 mm height

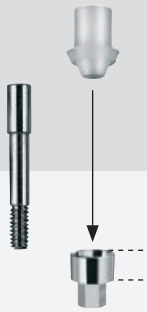
Permucosal Extension
2/4/6 mm height
Titanium

I Acrylic

Abutments with anti-rotational hex

C.A.S. Esthetic
Castable Abutment System
castable

A.G.T.® Line
anatomic healing abutment
for temporary care



Paracentric Line
Bar Element, castable
5 mm height

Permucosal Extension
2/4/6 mm height
Titanium

I Zircon

Abutments with anti-rotational hex

New

CAD/CAM-Base

Prosthetic Kit

Prosthetic Kit

The basic tray includes a short hex driver (90625) and a driver sleeve (90439). All other components can be ordered separately, as required.

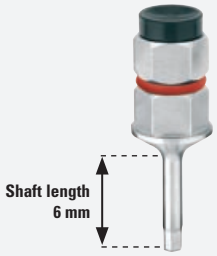
Kit with basic items	**90358**
Hex Driver short	90625
Driver Sleeve	90439

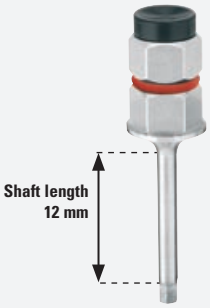
Additional components (to be ordered individually)	**Item No.**
Hex Driver long	90623
Hex Driver for contra angle (latch)	90323
Octagon Key	90650
Activator Dalbo Plus	90288
Pitt Locator Key	08317
Hand Grip for technician	90442
Locator Core Tool	08393
Torque Wrench with adjustment screw 25 Ncm	90239
H.U.G.O., 2 instruments	90250

| Table Prosthetic Drivers and Screws

| Hex Drivers

Driver width 1.70 mm





Implant Cover Screw

Healing Abutment

90260

Impression Coping open

90259

Impression Coping closed

| Octagon Key

Ball Head Abutment

| Locator Key

Locator System

| Screws

All abutments are delivered incl. screw. For repeat orders please find the corresponding order Nos. in this table.

90251
11 mm

90253
13 mm

Standard Abutment with Hex

90264
16 mm*

A.G.T. Line

C.A.S. Esthetic

Scan screw
90282
17 mm

Retaining screw
90276
10 mm

Laboratory screw
90278
10 mm

CAD/CAM-Base

V.D.L. Esthetic Line

C.A.S. Novobase

Individual Abutment

90270
14 mm*

90271
16 mm*

90272
18 mm*

Paracentric Line

*can be trimmed

Prosthetic Drivers, Instruments and Accessories

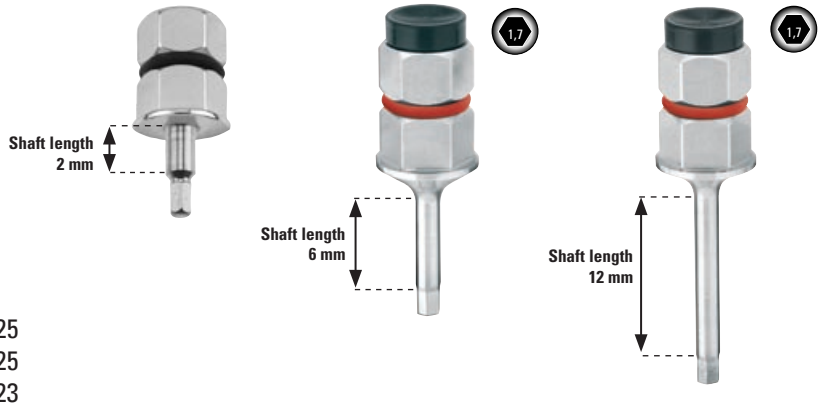
	Item No.

Two-piece driver for safe and easy application

The driver can be used with the torque wrench with adjustable torque or in connection with the driver sleeve if the torque does not have to be adjusted. For final fixation of the abutment in the implant, the torque wrench should be used.

Hex Driver

driver width 1.70 mm for: Implant cover screws, impression abutments, healing abutments and all retaining and laboratory screws

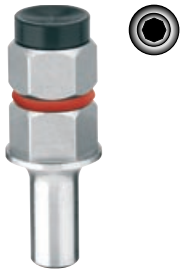


for torque wrench, shaft length 2 mm	90425
for torque wrench, shaft length 6 mm	90625
for torque wrench, shaft length 12 mm	90623
for contra angle	90323

Octagon Key

for Ball Head Abutments

for torque wrench	90650
for contra angle	90324



Locator Key

8317

Driver Sleeve

90439

for manual use of the following prosthetic drivers: 90625, 90623, 90650, 8317.

The driver sleeve can be easily fixed onto the driver.

	Item No.

Hand Grip
for technician

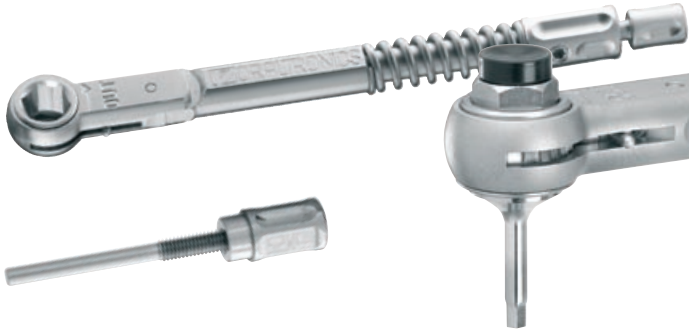
In order to provide optimal handling for the technician in the laboratory, a special hand grip was developed. The rotating disk head ensures a relaxed and quick processing. The hand grip fits all drivers which are suitable for torque wrench use.

90442

Torque Wrench
for fixation of the retaining screws (and one-piece-abutments) with adjustable torque (10, 15, 20, 25, 30, ∞ Ncm). For the following prosthetic drivers: 90625, 90623, 90650, 8317.

The torque wrench can easily be fixed onto the driver.

90239



H.U.G.O.
set of holding instruments for abutments
holding, grinding, smoothing, optimizing

90250

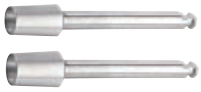
Instruments and Accessories	Item No.

Centering Punch
Ø 3.50 mm
for manual re-entry
of the gingiva

1020

Tissue Punch
for reduced contra-angle for exposure
of the osseointegrated implants
Ø 3.50 mm outer diameter
Ø 4.20 mm outer diameter

90085
90086



Titanium Tweezers

2852

PITT-EASY®-Implant

Innovative products

- PITT-EASY®
- ENDOPORE®
- BICORTICAL®
- BIORESORB®
- CYTOPLAST®

Sybron Implant Solutions

The dental implant platform of Sybron Dental Specialties (SDS) brings together three (INNOVA – ORALTRONICS – ATTACHMENTS) organizations that have been leaders in implant manufacturing, design and development since the inception of implant dentistry.

Delivering two of the most respected, leading-edge dental implants on the market – ENDOPORE® and PITT-EASY® – we are giving you access to a world of implant solutions.

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