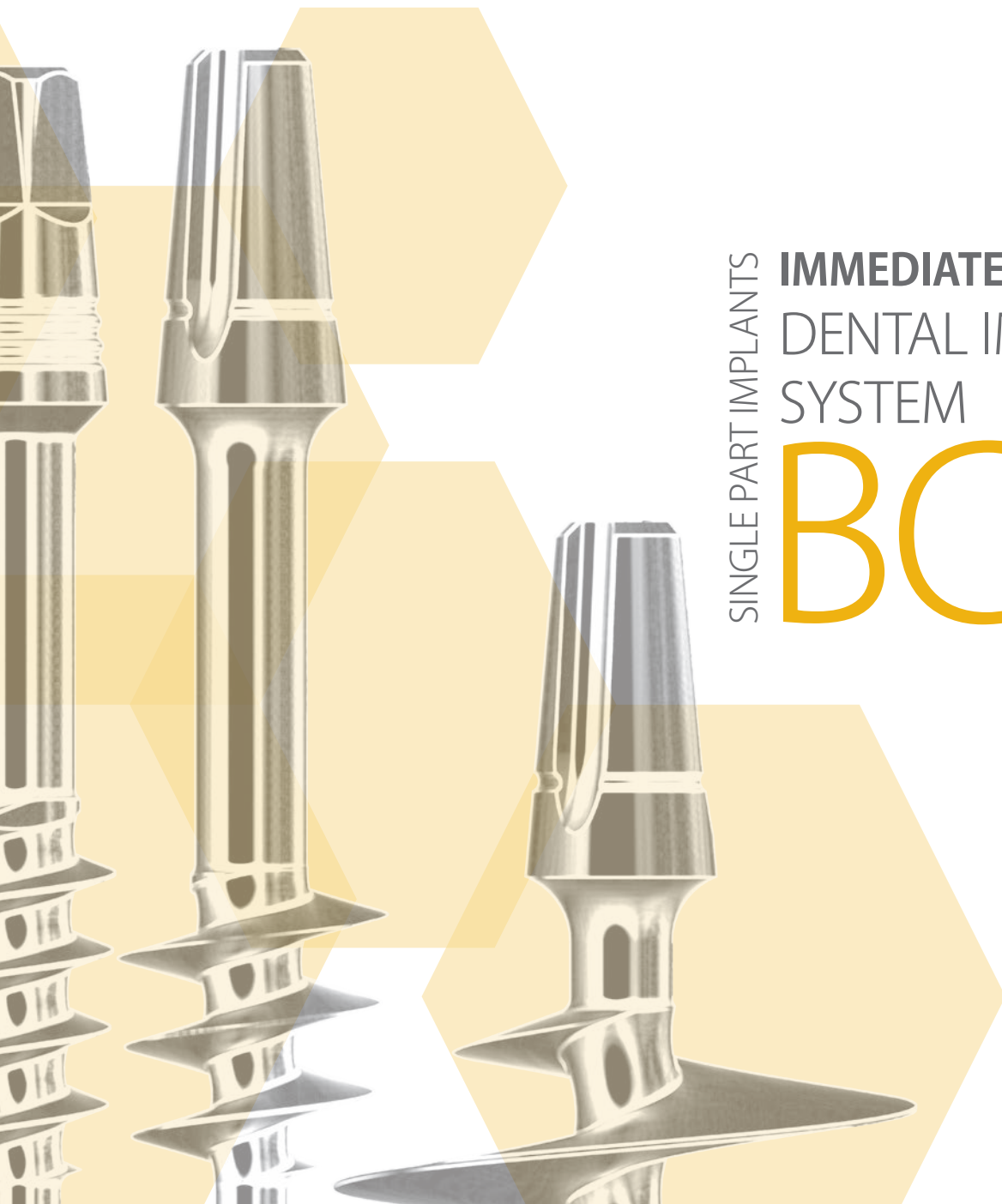


IHDEDENTAL 



SINGLE PART IMPLANTS

**IMMEDIATE LOADING
DENTAL IMPLANT
SYSTEM**

BCS[®]

Company building and production site of
Dr. Ihde Dental AG in Gommiswald / Switzerland



YOUR DEMAND IS OUR DRIVE

Dr. Ihde Dental has been a reliable partner for over 60 years providing a wide range of implant systems and consumables. We supply dentists and dental technicians with precisely coordinated materials and systems, which are easy and reliable to use. We always ensure high quality and an excellent price-performance ratio so that you can guarantee allround treatment for your patients that is cost-effective and highly efficient. The following catalog gives you an overview and all the essential information about our implant systems. You can also contact us personally any time using the phone numbers provided. Further information can be found on our websites:

www.implant.com || www.ihde-dental.de || www.ihde.com

The company was founded in 1954 in Berlin by the dental technician Klaus Ihde. The company relocated to Bavaria in the 1960s. At the end of the 1980s, Dr. Ihde Dental GmbH (Germany) and Dr. Ihde Dental AG (Switzerland) were formed from the Klaus Ihde retail company. Ihde Dental is now represented in four locations in Europe and over 45 countries. The company group is one of the most innovative implant companies in the world – based on new developments and patents issued or pending.

The core activities of Ihde Dental are the development, procurement and distribution of medical products. We use a large number of suppliers in consumables, but we have produced implants in our own factory for many years. All components are manufactured quickly, precisely and economically thanks to state-of-the-art production technology and well-equipped machinery.

Our partners

Users and customers provide us with many new ideas and excellent suggestions. Collaboration with our customers is extremely important to us. Contact us at any time if you have any improvements or questions. Your ideas and opinions help us all to meet the daily wishes of patients to a greater and better extent. We also put the needs of the patient first..

Our market performance and work ethic

Since it was founded, the company has focused on innovative ideas and advanced technology, premium quality, an excellent price-performance ratio, optimal patient and user friendly products and durability. Our range combines the latest findings from research and practices in many countries around the world.

Customer orientated to us means – **available for you!**

- We provide training courses, refresher courses and user advice.
- We provide customers with comprehensive and technically sound advice.
- We also visit you in your practice upon request.

**Please call us to arrange an appointment
or send us an email.**

IHDEDENTAL 

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"FOR ME, IMPLANTOLOGY BEGINS
WHERE OTHERS HAVE GIVEN UP."

- Dr. Stefan Ihde



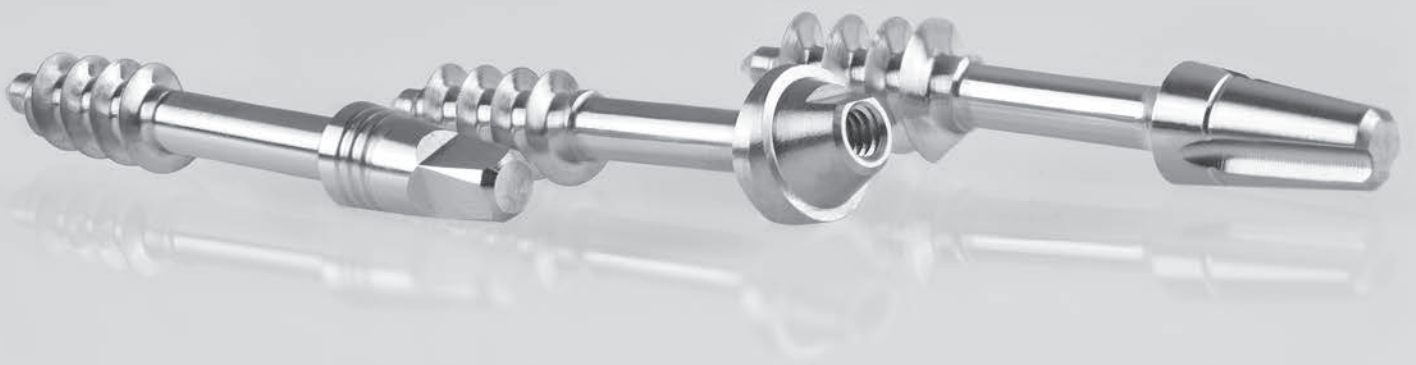


APPLICATION AREAS OF THE STRATEGIC IMPLANT® FOR ANCHORAGE IN THE UPPER AND LOWER JAW

BCS® implants can be used immediately in extraction sockets if the basal support is sufficient. The anti-rotation protection ensures immediate stability against unintentional unscrewing before prosthetic loading. The prosthesis should be inserted before the 3rd post-operative day. **BCS®** implants are made of strong, biocompatible titanium alloy Ti6Al4V. **BCS®** implants are used typically for segments and circular bridges in an immediate splinting protocol. Their use is permitted only for authorized users.

The prescribed or recommended tightening torques for implants, abutments and screws can be found on our website:

www.implant.com/en/downloads



FITTING AND CEMENTING OF PROSTHETICS

The lower border of the abutment head of the Strategic implant® is (only) used as a margin to hold the transfer during impression-taking. Because the implant and the abutment head are both polished, the lower margin of the implant does not typically serve as a crown margin as we know it from teeth or conventional 2-stage implants. There are no medical or technical reasons why the crown margin (or the margin of the technical abutment) should reach the lower border of the abutment head.

It is important however that enough distance between the lower margin of the prosthetic workpiece and the gums (or the bone respectively) is left after cementation. We recommend to use only strong permanent cements (e.g. Fuji Plus, GC Corp.) and to have a vertical cementing surface/zone of at least 4 mm on the abutments. The abutment head may be shortened/adjusted vertically and/or laterally in order to achieve a good aesthetic result and to allow good phonetics.

Those surfaces on the abutment head which will provide retention for the cement must be roughened and cleaned before cementation. All other surfaces of the abutment head must remain fully polished.

The main aim of this step of the treatment is the incorporation of a prosthetic workpiece which is easily cleanable or which allows self-cleaning (on the lingual or palatal side) in function.

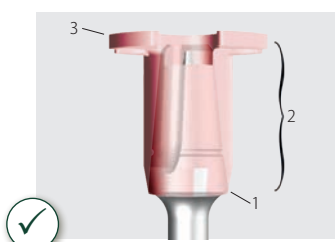


Fig. 1
The transfer cap (3) is positioned on the abutment head until the lower border of the abutment head (1) is reached. The transfer will sit firmly in this position. Then the impression is taken with silicone putty or heavy body silicone material. This allows the transfer of the implant position to the model.

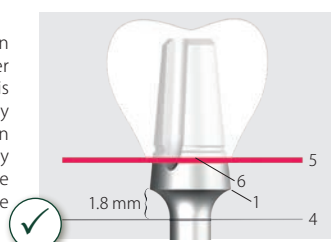


Fig. 2
The implant head was placed approximately 1.8 mm above the bone level (4). The mucosa level (5) reaches higher than the lower border of the abutment head (1). The level of the crown margin (6) and the lower border of the abutment head (1) are in a distance to each other. This avoids retention of cements and debris in the submucosal area. This is a correct result. On the x-ray the crown will appear however as "too short", considering not applicable criteria from conventional dentistry.

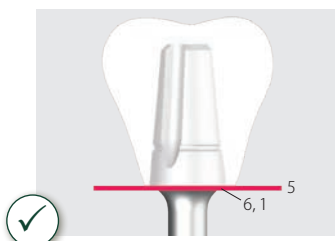


Fig. 3
The crown margin (6) will be the same level as the lower border of the abutment head (1) if the abutment head sits on the mucosa line (5).

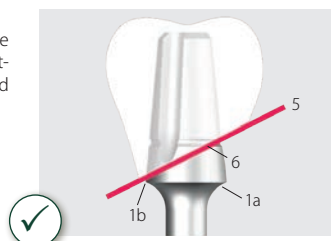


Fig. 4
If the abutment head is positioned on a mucosal slope, the lower border of the abutment head is on one side (1a) deeper in the mucosa than on the other side (1b). In such a case the crown margin (6) will also run oblique, in order to avoid submucosal position of parts of the crown. See the clinical example in Fig. 9. Also in this case the crown may appear as "too short" on the x-ray, considering not applicable criteria from conventional dentistry.

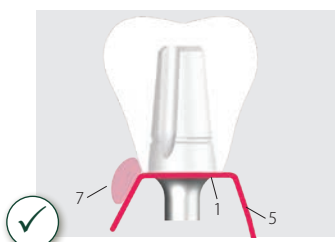


Fig. 5
For aesthetic reasons it may be necessary to create vestibular overhang portions of the prosthetic workpiece (7).

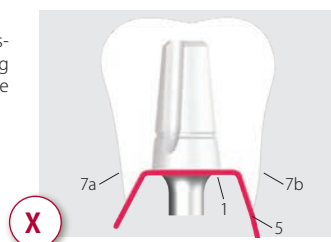


Fig. 6
It is not allowed to create such prosthetic overhangs (7a, 7b) on both sides of the prosthetic workpiece, because this would lead to a non-hygienic situation without the possibility of self cleaning. Food and debris will get stuck in the area of the mucosal penetration area of the implant and this will create an inflammation.

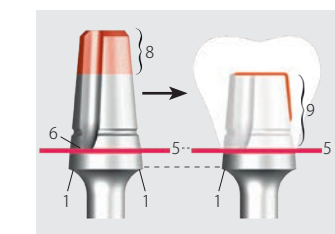


Fig. 7
If vertical height is missing, the top part of the abutment head may be shortened (region 8 is removed). At the same time it might be necessary to keep a distance between the lower margin of the abutment head (1) and the lower crown margin (6). Nevertheless the vertical cementation area (9) should be not less than 4 mm height.

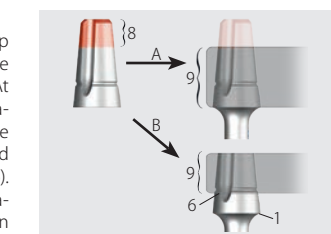


Fig. 8
If abutment heads are used as technical abutments, they are shortened after the final cementation of the prosthetic workpiece (region 8 is removed) and after the cement has fully set. This adjustment may be done at the first control appointment. They remain «open». The height of the cementing surface (9) should be not less than 4 mm. The lower margin of the crown does not necessarily coincide with the lower border of the abutment head.



Fig. 9
The implant crowns 43 and 44 have been shortened more than 3 mm on the lingual side and on the vestibular side an overhang has been modelled. The necessary height for cementation is given both on the vestibular and the lingual side on the abutment head.

CONCLUSION

The question if the prosthetic construction is properly fitted to the abutment of the Strategic implant® depends on the spatial relationship between the crown margin to the mucosa much more than on anything else. Relevant for any judgement about the length of the crown is the moment of the cementation. Only for selected bridge materials and bridge designs, subgingival connection between implant abutment and prosthetics is possible. In such cases the final connection between the two components requires an open surgical cementation.

THE ADVANTAGES OF BCS® IMPLANTS



For anchorage in the 1st, 2nd and if necessary 3rd cortical

For the cortical anchorage of dental prostheses

Can be used in sockets for a given indication immediately after extraction and loaded immediately in many cases

Mechanically smoothed surface in all areas

Self-tapping thread with endosseous anti-rotation protection

Conditionally suitable for individual tooth prostheses

Made of highly resistant titanium alloy

For implant Ø from 3.5 to 4.6 mm, not less than **ten** implants should be used for the complete **upper jaw**.

For implant Ø from 3.5 to 4.6 mm, not less than **eight** implants should be used for the complete **mandible**.

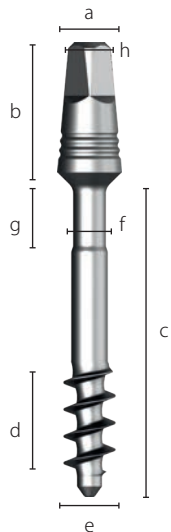
The phase of adaptation and consolidation of the cortical bone in which these implants are anchored (2nd or 3rd cortical) must be considered to be 24 months after the insertion of the implants. So there is a significant difference to the healing times for implants that are used according to the method of "osseointegration", for which the healing times are assumed to be 3-6 months.

Nevertheless BCS® implants are designed to be used (solely by specially trained and authorized users) in immediate functional loading protocols.

BCS® IMPLANTS 2.7 MMD WITH SMALL ABUTMENT HEAD

These implants are used for the following indications

- Supporting (additional) implants for cortical anchorages of bridges and crowns
- Creation of a three-point support for the cortical anchorage of dental prostheses



Description	c	d	e	g	Drill	REF	Price cat.
BCS 2.7 10	10 mm	4.5 mm	2.7 mm	2.55 mm	Twist Drill 1.8	900190	G
BCS 2.7 12	12 mm	4.5 mm	2.7 mm	2.95 mm	Twist Drill 1.8	900191	G
BCS 2.7 14	14 mm	5.5 mm	2.7 mm	2.95 mm	Twist Drill 1.8	900192	G
BCS 2.7 17	17 mm	5.5 mm	2.7 mm	2.95 mm	Twist Drill 1.8	900193	G
BCS 2.7 20	20 mm	5.5 mm	2.7 mm	2.95 mm	Twist Drill 1.8	900194	G
BCS 2.7 23	23 mm	5.5 mm	2.7 mm	2.95 mm	Twist Drill 1.8	900195	G
BCS 2.7 26	26 mm	5.5 mm	2.7 mm	2.95 mm	Twist Drill 1.8	900196	G
BCS 2.7 29	29 mm	5.5 mm	2.7 mm	2.95 mm	Twist Drill 1.8	900197	G
BCS 2.7 32	32 mm	5.5 mm	2.7 mm	2.95 mm	Twist Drill 1.8	900198	G

USE LIMITATIONS BCS 2.7 must not be used as an implant for single tooth replacement, however two or more BCS 2.7 may serve as such. If **only** BCS 2.7 is used in very thin jaws, the surgeon should try to insert at least eight, but better more (up to 12 implants) for this jaw. BCS 2.7 are considered additional dental implants and they are used with other BCS implants 3.5 mm - 12 mm in order to increase the stability of the implant-prosthetic system.


a) Max. abutment Ø	3.35 mm
b) Abutment height	6.8 mmh
c) Nominal length	10 - 32 mm
d) Length of apical thread	4.5 / 5.5 mm
e) Enossal Ø	max. 2.7 mm
f) Neck Ø in bending zone	1.9 mm
g) Length of bending zone	2.55 - 2.95 mm
h) Square AF (across flats)	1.9 mm
Tool	IT K, AHK

INCLUSIVE


BCS® implants are delivered incl. lab-set REF 462353, consisting of

 Double analogue, plastic

IA4/IAU
462111

 Impression post castable, internally edged, for large head

PA X
462136

 Impression post castable, internally round, for small head

TSPA 4
462029

TWIST DRILL



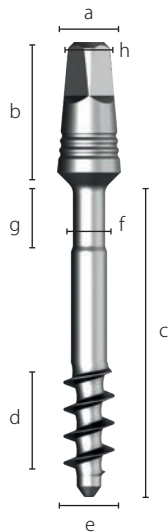
Description	Ø	Max. working length	REF	Price cat.
Twist Drill 1.8/23	1.8 mm	23 mm	90024	D

NOTE This is a standard lab-set and therefore contains parts for both **LARGE** abutment heads (**PA X**) and **SMALL** abutment heads (**TSPA 4**).

BCS® IMPLANTS 3.0 MMD WITH SMALL ABUTMENT HEAD

These implants are used for the following indications

- Supporting (additional) implants for cortical anchorages of bridges and crowns
- Creation of a three-point support for the cortical anchorage of dental prostheses



Description	c	d	e	g	Drill	REF	Price cat.
BCS 3.0 10	10 mm	4.5 mm	3.0 mm	2.55 mm	Twist Drill 1.8	900480	G
BCS 3.0 12	12 mm	4.5 mm	3.0 mm	2.95 mm	Twist Drill 1.8	900481	G
BCS 3.0 14	14 mm	5.5 mm	3.0 mm	2.95 mm	Twist Drill 1.8	900482	G
BCS 3.0 17	17 mm	5.5 mm	3.0 mm	2.95 mm	Twist Drill 1.8	900483	G
BCS 3.0 20	20 mm	5.5 mm	3.0 mm	2.95 mm	Twist Drill 1.8	900484	G
BCS 3.0 23	23 mm	5.5 mm	3.0 mm	2.95 mm	Twist Drill 1.8	900485	G
BCS 3.0 26	26 mm	5.5 mm	3.0 mm	2.95 mm	Twist Drill 1.8	900486	G
BCS 3.0 29	29 mm	5.5 mm	3.0 mm	2.95 mm	Twist Drill 1.8	900487	G
BCS 3.0 32	32 mm	5.5 mm	3.0 mm	2.95 mm	Twist Drill 1.8	900488	G

USE LIMITATIONS BCS 3.0 must not be used as an implant for single tooth replacement, however two or more BCS 3.0 may serve as such. If **only** BCS 3.0 is used in very thin jaws, the surgeon should try to insert at least eight, but better more (up to 12 implants) for this jaw. BCS 3.0 are considered additional dental implants and they are used with other BCS implants 3.5 mm - 12 mm in order to increase the stability of the implant-prosthetic system.

a) Max. abutment Ø	3.35 mm
b) Abutment height	6.8 mm
c) Nominal length	10 - 32 mm
d) Length of apical thread	4.5 / 5.5 mm (depending on the endosseous implant length)
e) Enossal Ø	max. 3.0 mm
f) Neck Ø in bending zone	1.9 mm
g) Length of bending zone	2.55 - 2.95 mm
h) Square AF (across flats)	1.9 mm
Tool	IT K, AHK

INCLUSIVE

BCS® implants are delivered incl. lab-set REF 462353, consisting of



Double analogue, plastic
IA4/IAU
462111



Impression post castable,
internally edged, for large head
PA X
462136



Impression post castable,
internally round, for small head
TSPA 4
462029

NOTE This is a standard lab-set and therefore contains parts for both **LARGE** abutment heads (**PA X**) and **SMALL** abutment heads (**TSPA 4**).

TWIST DRILL



Description	Ø	Max. working length	REF	Price cat.
Twist Drill 1.8/23	1.8 mm	23 mm	90024	D

PATHFINDER DRILLS

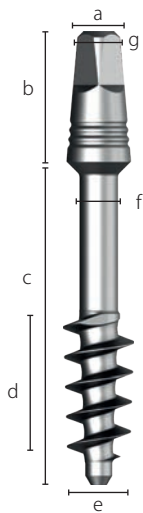


Conical 3-edge drill as initial drill, ideally suited for all crestal implant systems. The drill also passes between narrow cortical areas without pressure.

Description	Colour	Max. working length	REF	Price cat.
BCDX 1	yellow	15 mm	900243	C

BCS® IMPLANTS 3.5 - 4.5 MMD WITH SMALL ABUTMENT HEAD

For anchorage in the 1st, 2nd and if necessary 3rd cortical, for the cortical anchorage of dental prostheses. BCS® implants can be used in sockets for a given indication immediately after extraction and loaded immediately in many cases. Mechanically smoothed surface in all areas. The abutment head is identical to the head of KOS® implants. Self-tapping thread with endosseous anti-rotation protection. Conditionally suitable for individual tooth prostheses. **Insertion tools:** IT KOS, ITX KOS, ITS KOS, Adapter AHK.



a) Max. abutment Ø	3.35 mm
b) Abutment height	6.8 mm
c) Nominal length	10 - 38 mm
d) Length of thread	5.5 / 7.5 mm
e) Enossal Ø	3.5 / 4.5 mm
f) Neck Ø at the top	2.0 mm
g) Square AF (across flats)	1.9 mm

Description	c	d	e	REF	Price cat.
BCS 3.5 10	10 mm	5.5 mm	3.5 mm	900208	G
BCS 3.5 12	12 mm	5.5 mm	3.5 mm	900226	G
BCS 3.5 14	14 mm	7.5 mm	3.5 mm	900210	G
BCS 3.5 17	17 mm	7.5 mm	3.5 mm	900211	G
BCS 3.5 20	20 mm	7.5 mm	3.5 mm	900212	G
BCS 3.5 23	23 mm	7.5 mm	3.5 mm	900213	G
BCS 3.5 26	26 mm	7.5 mm	3.5 mm	900214	G
BCS 3.5 29	29 mm	7.5 mm	3.5 mm	900215	G
BCS 3.5 32	32 mm	7.5 mm	3.5 mm	900216	G
BCS 3.5 35	35 mm	7.5 mm	3.5 mm	900217	G
BCS 3.5 38	38 mm	7.5 mm	3.5 mm	900218	G
BCS 4.5 10	10 mm	7.5 mm	4.5 mm	900238	G
BCS 4.5 12	12 mm	7.5 mm	4.5 mm	900239	G
BCS 4.5 14	14 mm	7.5 mm	4.5 mm	900220	G
BCS 4.5 17	17 mm	7.5 mm	4.5 mm	900221	G
BCS 4.5 20	20 mm	7.5 mm	4.5 mm	900222	G
BCS 4.5 23	23 mm	7.5 mm	4.5 mm	900223	G
BCS 4.5 26	26 mm	7.5 mm	4.5 mm	900224	G
BCS 4.5 29	29 mm	7.5 mm	4.5 mm	900225	G

Max. insertion torque 80 Ncm

FIELD OF APPLICATION Enossal dental implant for cortical anchorage.

INCLUSIVE

BCS® implants are delivered incl. lab-set REF 462353, consisting of



Double analogue, plastic

IA4/IAU

462111



Impression post castable, internally edged, for large head

PA X

462136



Impression post castable, internally round, for small head

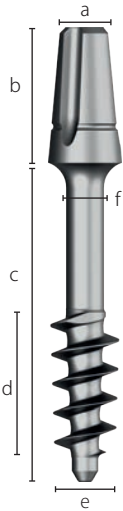
TSPA 4

462029



NOTE This is a standard lab-set and therefore contains parts for both **LARGE** abutment heads (**PA X**) and **SMALL** abutment heads (**TSPA 4**).

BCS® IMPLANTS WITH LARGE ABUTMENT HEAD



- a) Abutment Ø 3.9 mm
 b) Abutment height 7.2 mm
 c) Nominal length 8 - 29 mm
 d) Length of thread 3.5 - 7.5 mm
 e) Enossal Ø 3.6 - 5.5 mm
 f) Neck Ø at the top 2.0 mm

Max. insertion torque 80 Ncm

Description	c	d	e	REF	Price cat.
BCS 3.6 10	10 mm	5.5 mm	3.6 mm	900285	H
BCS 3.6 12	12 mm	5.5 mm	3.6 mm	900284	H
BCS 3.6 14	14 mm	7.5 mm	3.6 mm	900286	H
BCS 3.6 17	17 mm	7.5 mm	3.6 mm	900287	H
BCS 3.6 20	20 mm	7.5 mm	3.6 mm	900288	H
BCS 3.6 23	23 mm	7.5 mm	3.6 mm	900289	H
BCS 3.6 26	26 mm	7.5 mm	3.6 mm	900290	H
BCS 3.6 29	29 mm	7.5 mm	3.6 mm	900291	H
BCS 4.6 8	8 mm	3.5 mm	4.6 mm	900299	H
BCS 4.6 10	10 mm	5.5 mm	4.6 mm	900292	H
BCS 4.6 12	12 mm	4.5 mm	4.6 mm	900300	H
BCS 4.6 14	14 mm	7.5 mm	4.6 mm	900293	H
BCS 4.6 17	17 mm	7.5 mm	4.6 mm	900294	H
BCS 4.6 20	20 mm	7.5 mm	4.6 mm	900295	H
BCS 4.6 23	23 mm	7.5 mm	4.6 mm	900296	H
BCS 4.6 26	26 mm	7.5 mm	4.6 mm	900297	H
BCS 4.6 29	29 mm	7.5 mm	4.6 mm	900298	H
BCS 5.5 8	8 mm	3.5 mm	5.5 mm	900255	K
BCS 5.5 10	10 mm	5.5 mm	5.5 mm	900281	K
BCS 5.5 12	12 mm	6.0 mm	5.5 mm	900250	K
BCS 5.5 14	14 mm	6.0 mm	5.5 mm	900251	K
BCS 5.5 17	17 mm	6.0 mm	5.5 mm	900252	K
BCS 5.5 20	20 mm	6.0 mm	5.5 mm	900253	K
BCS 5.5 23	23 mm	7.5 mm	5.5 mm	900265	K
BCS 5.5 26	26 mm	7.5 mm	5.5 mm	900266	K
BCS 5.5 29	29 mm	7.5 mm	5.5 mm	900267	K

INCLUSIVE

BCS® implants are delivered incl. lab-set REF 462353, consisting of



Double analogue, plastic

IA4/IAU

462111



Impression post castable, internally edged, for large head

PA X

462136



Impression post castable, internally round, for small head

TSPA 4

462029



ACCESSORIES

Analogue **IAB**

Pack of 5

REF 462106

Price cat. B



Impression post **TSPA 5**

Pack of 5

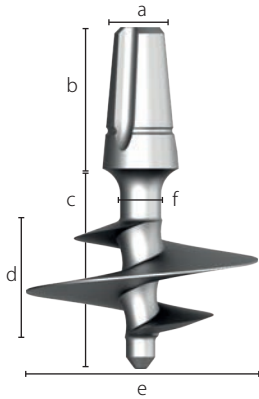
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Price cat. B

The red impression cap and the red analogue are round (not secured against rotation).

NOTE This is a standard lab-set and therefore contains parts for both **LARGE** abutment heads (**PA X**) and **SMALL** abutment heads (**TSPA 4**).

BCS® IMPLANTS WITH LARGE ABUTMENT HEAD



- a) Abutment Ø 3.9 mm
- b) Abutment height 7.2 mm
- c) Enossal length 8 - 20 mm
- d) Length of thread 5.5 / 6.5 mm
- e) Enossal Ø 7 - 12 mm
- f) Neck Ø at the top 2.0 / 2.1 mm

Max. insertion torque 80 Ncm

Description	c	d	e	f	REF	Price cat.
BCS 7.0 8	8 mm	5.5 mm	7 mm	2.0 mm	900258	K
BCS 7.0 10	10 mm	5.5 mm	7 mm	2.0 mm	900282	K
BCS 7.0 12	12 mm	5.5 mm	7 mm	2.0 mm	900260	K
BCS 7.0 14	14 mm	5.5 mm	7 mm	2.0 mm	900261	K
BCS 7.0 17	17 mm	5.5 mm	7 mm	2.0 mm	900262	K
BCS 7.0 20	20 mm	5.5 mm	7 mm	2.0 mm	900263	K
BCS 9.0 8	8 mm	5.5 mm	9 mm	2.1 mm	900269	M
BCS 9.0 10	10 mm	5.5 mm	9 mm	2.1 mm	900270	M
BCS 9.0 12	12 mm	5.5 mm	9 mm	2.1 mm	900274	M
BCS 9.0 14	14 mm	5.5 mm	9 mm	2.1 mm	900271	M
BCS 10.5 10	10 mm	6.5 mm	10.5 mm	2.1 mm	900276	M
BCS 10.5 12	12 mm	6.5 mm	10.5 mm	2.1 mm	900277	M
BCS 10.5 14	14 mm	6.5 mm	10.5 mm	2.1 mm	900278	M
BCS 10.5 17	17 mm	6.5 mm	10.5 mm	2.1 mm	900280	M
BCS 12.0 8	8 mm	5.5 mm	12 mm	2.1 mm	900279	O
BCS 12.0 10	10 mm	5.5 mm	12 mm	2.1 mm	900272	O
BCS 12.0 12	12 mm	6.5 mm	12 mm	2.1 mm	900275	O
BCS 12.0 14	14 mm	6.5 mm	12 mm	2.1 mm	900273	O


insertion tools: IT2 BCS, IT2 S BCS, Adapter AHB

INCLUSIVE

BCS® implants are delivered incl. lab-set REF 462353, consisting of



 Double analogue, plastic
IA4/IAU
462111

 Impression post castable, internally edged, for large head
PA X
462136

 Impression post castable, internally round, for small head
TSPA 4
462029

NOTE This is a standard lab-set and therefore contains parts for both **LARGE** abutment heads (**PA X**) and **SMALL** abutment heads (**TSPA 4**).

ACCESSORIES

Analogue **IAB**
Pack of 5
REF 462106
Price cat. B



Impression post **TSPA 5**
Pack of 5
REF 462030
Price cat. B



The red impression cap and the red analogue are round (not secured against rotation).



HANDGRIP SELF LOCKING

For machine reprocessing, cannot be dismantled. Clean in an ultrasonic bath at 45° with an alkaline cleaning agent. For adapter, self-locking. Please note the cleaning instructions on www.implant.com/en/downloads




Length
110 mm
REF
311431
Price cat.
V

DRILLS

Description	Length	Code	REF	Price cat.
 Adapter	100 mm	BCD 1 Adapter	310511	F
 Twist Drill	110 mm	Twist Drill 2.0	310512	F

INSERTION TOOLS

Description	Length	Code	REF	Price cat.
 For KOS®, KOS® B, KDS, BCS 3.5, BCS 4.5	70 mm	Adapter AHK	462319	D
 For KOS® X, KOS® TX, KOS® Plus, BCS 3.6, BCS 4.6, ab > 5.5	70 mm	Adapter AHB	900037	F

USE OF THE HANDGRIP

ON THE EXAMPLE OF A LARGE ABUTMENT HEAD BCS® IMPLANT



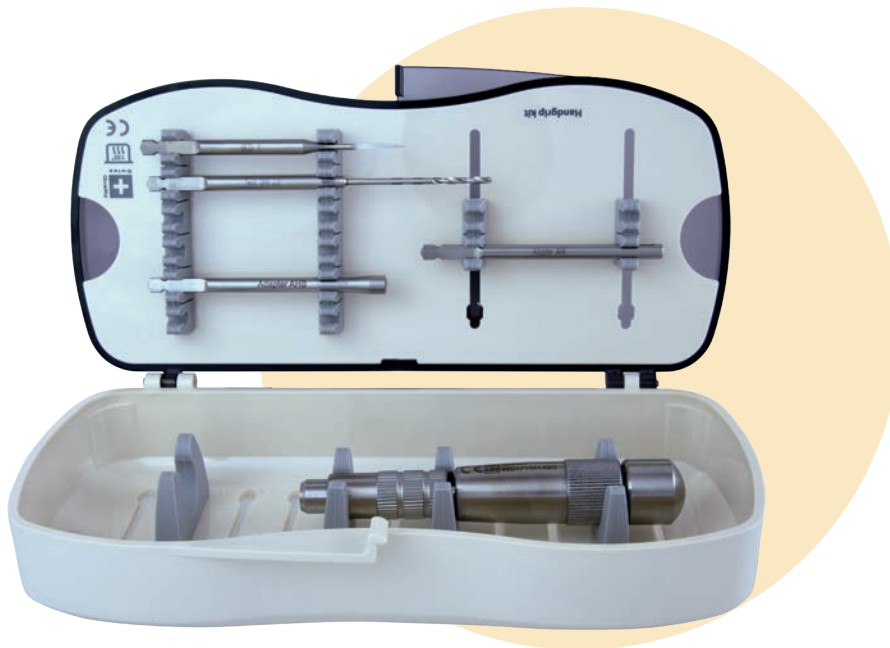
1. Use of the handgrip



2. Break off and implant immediately in the designated place



HANDGRIP TRAY



Size of closed tray
W 195 mm **D** 90 mm **H** 45 mm
 For all autoclaves

Description

BCD 1 Adapter
 Twist Drill 2.0
 Adapter AHK
 Adapter AHB
 Handgrip

Handgrip tray w/o content
Handgrip tray with content

Length

100 mm
 110 mm
 70 mm
 70 mm
 110 mm

REF









310511
310512
462319
900037
311431

Price €



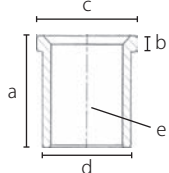
upon request
upon request

Please read our detailed instructions for cleaning and re-sterilization of surgical instruments on
<https://implant.com/en/downloads>

IMPRESSION TAKING AND LABORATORY ACCESSORIES FOR BCS® AND KOS® IMPLANTS

	Description	Unit	Code	REF	Price cat.
ALTERNATIVE	 Impression post castable, POM For small head Internally round	Pack of 5	TSPA 4	462029	B
	 Impression post castable, POM For small head Internally round	Pack of 5	TSPA 4	462027	B
	 Impression post castable, POM For large head Internally round	Pack of 5	TSPA 5	462030	B
	 Impression post castable Internally edged	Pack of 5	PA X	462136	B
	 Double analogue, metal	1 piece	IA4/IAU	462112	A
	 Double analogue, plastic	Pack of 5	IA4/IAU	462111	B
	 Castable abutment and base for provisionals For small head 7 mm high, white, internally round	Pack of 5	PO4	462088	B
	 Castable abutment For large head Internally round	Pack of 5	POB	462086	B

GUIDE JACKET

	Description	Unit	Material	REF	Price cat.
  	BFH 2.0 guide jacket 2.0 mmd	Pack of 5	Ti6Al4V	425410	B
	BFH 2.5 guide jacket 2.5 mmd	Pack of 5	Ti6Al4V	425411	B
	a) Length	5 mm			
	b) Height of step	0.7 mm			
	c) Max. Ø top	3.7 / 4 mm			
	d) Nominal Ø	3 / 3.35 mm			
	e) Ø of drilling in the drill template	2.05 / 2.55 mm			



Model with residual teeth for the fabrication of a drill guide for creating cavities for fixing the later drill guide for implant cavities.










Drill guide for creating cavities for later fixation of the surgical drill guide.











Surgical drill guide for safe BCS® placement. The drill sleeves are designed for 2.0 mm Twist drills.

PATHFINDER DRILLS

Conical 3-edge drill as initial drill, ideally suited for all crestal implant systems. The drill also passes between narrow cortical areas without pressure.

	Description	Colour	Max. working length	REF	Price cat.
	BCD 1	yellow	15 mm	900240	C
	BCD 2	black	15 mm	900241	C
	BCD 3	red	13 mm	900242	C
	BCDX 1	yellow	15 mm	900243	C
	BCDX 2	black	15 mm	900244	C
	BCDX 3	red	15 mm	900245	C
	BCD 1 Adapter Pathfinder for handgrip Length 100 mm			310511	F

TWIST DRILLS

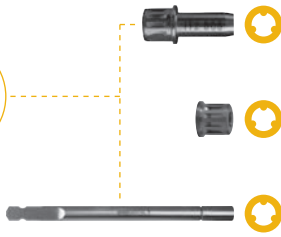
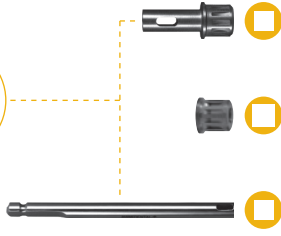
	Description	Ø	Max. working length	REF	Price cat.
	Twist Drill 1.8/23	1.8 mm	23 mm	90024	D
	Twist Drill 2.0/21	2.0 mm	21 mm	90022	D
	Twist Drill 2.0/30	2.0 mm	30 mm	90020	D
	Twist Drill 2.0/40	2.0 mm	40 mm	90019	D
	Twist Drill 2.5/21	2.5 mm	21 mm	90026	D
	Twist Drill 2.0 Cylindrical drill 2.0 mm For handgrip, length 110 mm		35 mm	310512	F
	Pilot drill For surgical handgrip For chuck 2.35 mmd			310515	F
	Twist Drill 2.0/30 For surgical handgrip For chuck 2.35 mmd		30 mm	310516	F

HARD METAL CUTTER



Description	Length	Code	REF	Price cat.
Hard metal bone cutter short, for FG	30 mm	SHMCS	90030	F
Hard metal bone cutter long, for FG	36 mm	SHMCL	90031	F

INSERTION TOOLS AND ADAPTER



Description	Code	REF	Price cat.
For BCS® implants with Ø 3.5 mm + 4.5 mm	IT K	462320	D
Insertion tool short, for small head Use with RAT 2 and TW2	IT K	462320	D
Adapter for BCS 3.5 / 4.5 Use with handgrip REF 311431	AHK	462319	D
Insertion tool long, for large head Use with RAT 2 and TW2	IT2 BCS	900030	E
For BCS® implants with Ø 3.6, 4.6, 5.5, 7, 9, 10.5, 12 mm	IT2 S BCS	900038	E
For BCS® implants with Ø 3.6, 4.6, 5.5, 7, 9, 10.5, 12 mm Use with handgrip REF 311431	AHB	900037	F

WIRES FOR INTRA-ORAL WELDING

Description	Material	Ø	REF	Price cat.
Titanium wire (5 piece á 15cm/pack)	TiGr.2	1.5 mm	462001	B
Titanium wire (5 piece á 15cm/pack)	TiGr.2	2.0 mm	462002	B
Titanium wire (5 piece á 15cm/pack)	Ti6Al4V	2.0 mm	462003	B



TITANIUM CAPS FOR LASER CONNECTION

Multi-use titanium caps for:

- use in immediately lasered bridge frames, together with the bar profiles (without bar matrices)
- the radiological control of plastic modeling
- for direct Polymerization into the bridge prosthesis
- direct veneering with titanium ceramics
- material: Ti Grade 4



Description

Titanium cap, radio opaque
For small head
For KOS, KOS B, BCS 3.5, BCS 4.5

Code

MA4

REF

462090

Price cat.

B



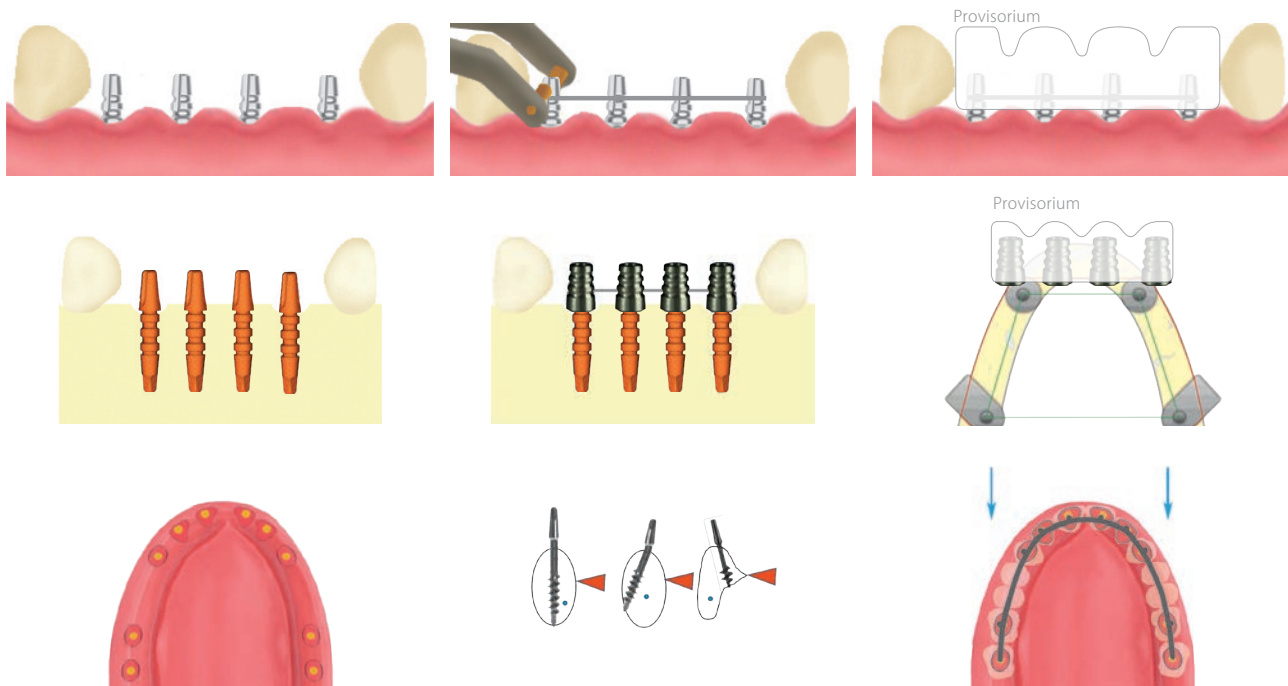
Titanium cap, radio opaque
For large head
For KOS X, KOS Plus, BCS 3.6, BCS 4.6-BCS 12

MA5

462093

B

INTRA-ORAL WELDING



Nanda S., Ihde S., Nanda P. Intra-oral welding-A usefull adjunct in immediate loading implantology using BCS implants. CMF Impl. Dir. Vol 9, No.2, 13-24, 2014

SCANBODIES



Description

Scanbody-4
For small head

Material

Peek

Systeme

KOS, BCS

REF

462054

Price cat.

B



Scanbody-5
For large head

Peek

KOS, BCS

462055

B


CEMENTABLE ANGULATION ADAPTER (Ti6Al4V)

These adapters are mounted on **BCS®** implants to compensate for the insertion direction. Plastic cements are preferably used. The implant head must be roughened beforehand. The protruding head parts are then removed. The impression is taken directly on the adapter.


		Description	Code	REF	Price cat.
	 AA15 KK	Adapter, 15° For small head	AA15 KK	462036	C
	 AA25 KK	Adapter, 25° For small head	AA25 KK	462046	C
	 AA5 15°	Adapter 15° For large head	AA5 15°	462052	C
	 AA5 25°	Adapter 25° For large head	AA5 25°	462053	C

CASTABLE CROWN BASE


These adapters are used by the dental technician for modeling of bridge frames. In the metal try-in, the protruding head parts are removed by the dentist.

	Description	Height	Code	REF	Price cat.
	Adapter 15° For small head Reducible and castable Pack of 5	7.5 mm	AAL 15 KK	462045	C

LAB ANALOGUE

	Description	Code	REF	Price cat.
	Abutment analogue for angulation adapter For small head 15° and 25°	AAA	462049	B

CASTABLE ABUTMENT AND IMPRESSION TRANSFER

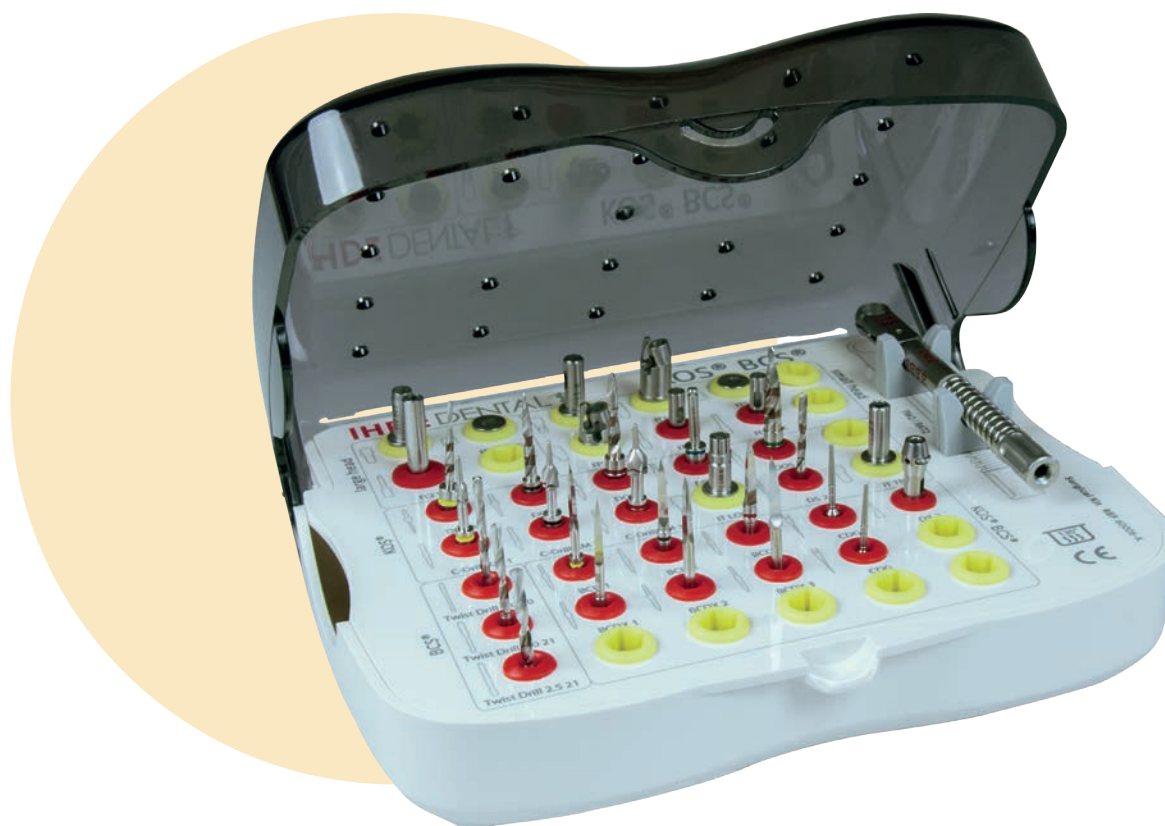
	Description	Code	REF	Price cat.
	Castable abutment and transfer for AAA Pack of 5	PA AAA	462050	B

CEMENTING ABUTMENT

Replacement abutment for cementing. For BCS implants up to a shaft diameter of 2.1 mm. Larger shafts must be ground down. Allows the vertical correction of the abutment position. Mounting e.g. with Fuji Plus. With drain hole, machined surface. Material **Ti6Al4V**.

	Description	Code	REF	Price cat.
	Replacement abutment for BCS internal diameter 2.15 mm	B21	900316	A

INSTRUMENT TRAY FOR KOS® AND BCS®



Size of closed tray

W 175 mm **D** 145 mm **H** 65 mm

For all autoclaves. Autoclavable up to 134° C,
not suitable for dry heat sterilizers.

Description	System	Head	REF	Description	System	REF	Price €
IT2 BCS	KOS/BCS	large	900030	Twist Drill 2.0 30	BCS	90020	
IT2 S BCS	KOS/BCS	large	900038	Twist Drill 2.0 21	BCS	90022	
IT2 W	KOS/BCS	large	900039	Twist Drill 2.5 21	BCS	90026	
IT K	KOS/BCS	small	462320	Twist Drill 1.8/23	BCS	90024	
ITS K	KOS/BCS	small	462322	BCD 1	KOS/BCS	900240	
ITW K	KOS/BCS	small	462331	BCD 2	KOS/BCS	900241	
ITWH K	KOS/BCS	small	462323	BCD 3	KOS/BCS	900242	
DOS 1	KOS*		455311	BCDX 1	KOS/BCS	900243	
DOS 2	KOS*		455312	BCDX 2	KOS/BCS	900244	
DOS 3	KOS*		455313	BCDX 3	KOS/BCS	900245	
DOS 4	KOS*		455314	CDG	KOS/BCS	420329	
DOS 5	KOS*		455315	CDG	KOS/BCS	420329	
C-Drill KM 1	KOS*		455300	DX 2	KOS/BCS	500704	
C-Drill KM 2	KOS*		455301	TW2	KOS/BCS	425402	
C-Drill KM 3	KOS*		455302	Instrument tray w/o content	60006-K		upon request
DS 2	KOS*		425001	Instrument tray with content	S60006-K		upon request
IT TB K	KOS*		462327				

* The content for the system KOS® is optional

INSERTION TOOLS

	Description	Type	Length	For implant	REF	Price cat.
	IT K	long	20 mm	BCS, KOS, KOS B, KDS	462320	D
	ITX K	extralong	45 mm	BCS, KOS, KOS B, KDS	462321	D
	ITS K	short	7 mm	BCS, KOS, KOS B, KDS	462322	D
	IT2 BCS	long	19 mm	BCS, KOS, KOS B, KDS	900030	E
	IT2 S BCS	short	7 mm	BCS, KOS X, KOS Plus	900038	E
	IT2W		23 mm	KOS, BCS	900039	E

STARTER TRAY

Autoclavable up to 134° C, not suitable for dry heat sterilizers.
This surgical kit contains all drills and tools for first works with the system BCS® and BCS® MU.
Material: autoclavable plastic.



Description	REF	Price €
IT K	462320	
ITS K	462322	
IT 2 BCS	900030	
IT 2 S BCS	900038	
BCD 1	900240	
Twist Drill 2.0 21	90022	
Twist Drill 2.0 30	90020	
Twist Drill 2.5 21	90026	
Twist Drill 1.8/23	90024	
BCDX 1	900243	
HT 1.25	425100	optional content
ITX MU 15	418203	
Torque wrench TW2	425402	
Starter tray w/o content	60040-K	upon request
Starter tray with content	S60040-K	upon request

THE ADVANTAGES OF BCS® MU IMPLANTS

For occlusal
screwed bridges

Feature a
pre-angulation
of 15°

May be bent
additionally, using the
insertion tool

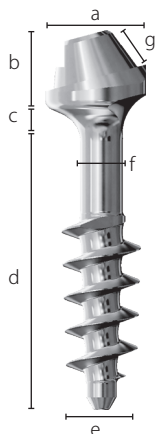
In conjunc-
tion with the
clinically possible
rotational positions of
the head, virtually all
possible angulati-
ons can be
realized

May be used
by authorized users
only

Made of highly
resistant
titanium alloy

BCS® MU IMPLANTS

BCS® MU implants feature a pre-angulation of 15 degrees. BCS® MU may be bent additionally, using the insertion tool. In conjunction with the clinically possible rotational positions of the head, virtually all possible angulations can be realized. BCS® MU implants may be used by authorized users only. Material Ti6Al4V.



a) Abutment Ø	4.8 mm
b) Abutment height	3.7 mm
c) Trans-mucosal height	0.8 mm
d) Enossal length	8 - 38 mm
e) Enossal Ø	3.6 - 7.0 mm
f) Neck Ø	2 mm
g) Height of connecting part	2 mm
Prosthetic screw	SFK MU

Description	REF	Price cat.	Description	REF	Price cat.
BCS MU 3.6 8	900397	N	BCS MU 4.6 23	900385	N
BCS MU 3.6 10	900398	N	BCS MU 4.6 26	900386	N
BCS MU 3.6 12	900376	N	BCS MU 4.6 29	900387	N
BCS MU 3.6 14	900330	N	BCS MU 4.6 32	900388	N
BCS MU 3.6 17	900331	N	BCS MU 4.6 35	900389	N
BCS MU 3.6 20	900332	N	BCS MU 5.5 10	900334	N
BCS MU 3.6 23	900333	N	BCS MU 5.5 12	900335	N
BCS MU 3.6 26	900377	N	BCS MU 5.5 14	900336	N
BCS MU 3.6 29	900378	N	BCS MU 5.5 17	900357	N
BCS MU 3.6 32	900399	N	BCS MU 5.5 20	900358	N
BCS MU 3.6 35	900339	N	BCS MU 5.5 23	900341	N
BCS MU 3.6 38	900340	N	BCS MU 5.5 26	900342	N
BCS MU 4.6 8	900379	N	BCS MU 7.0 10	900337	N
BCS MU 4.6 10	900380	N	BCS MU 7.0 12	900338	N
BCS MU 4.6 12	900381	N	BCS MU 7.0 14	900360	N
BCS MU 4.6 14	900382	N	BCS MU 7.0 17	900361	N
BCS MU 4.6 17	900383	N	BCS MU 7.0 20	900362	N
BCS MU 4.6 20	900384	N			

MULTI-UNIT LAB SET



Description	Code	REF	Price cat.
Titanium base Use with SF K MU	T-Base MU	418188	
Castable abutment Use with T-Base and SF K MU	PA2 MU	418189	
Prosthetic screw for KOS® MU and BCS® MU	SF K MU	418164	
COMPLETE SET		418289	E

ACCESSORIES SINGLE-PIECE MULTI-UNIT IMPLANTS

	Description	Code	REF	Price cat.
   	Insertion tool for KOS® MU, BCS® MU and Hexacone® Plus MU 15° Use with IT2 BCS, IT2 S BCS, AH MU Tool HT 1.25	ITX MU15	418203	G
	Insertion tool long For large head Use with RAT2 and TW2, length 19 mm	IT2 BCS	900030	E
	Insertion tool short For large head Use with RAT2 and TW2, length 7 mm	IT2 S BCS	900038	E
	Adapter for handgrip Fits ITX MU15 (REF 418203)	AH-MU	900041	F
  	Hex Instrument 1.25, length 14 mm	HTS 1.25	425101	C
	Hex Instrument 1.25, length 21 mm	HT 1.25	425100	C
	Hex Instrument 1.25, length 45 mm	HTX 1.25	425102	C
	Scan abutment for MU implants Incl. screw SSA MU Sterilisable, two-part, material Ti6Al4V	SAB MU	418205	D
Parts for passive connection of the bridge frame	Prosthetic screw for KOS® MU and BCS® MU	SF K MU	418164	B
	Castable abutment Use with T-Base and SF K MU	PA2 MU	418189	B
	Titanium base* Use with SF K MU (REF 418164) For KOS® MU, BCS® MU and Hexacone® Plus MU	T-Base MU	418188	B
Parts for UCLA technique	Prosthetic screw For KOS® MU and BCS® MU	SF K MU	418164	B
	Castable abutment UCLA For direct use on MU implants SF K MU sold separately	PA MU	418119	B
Part for UCLA technique & passive connection	Digital lab analogue for MU implants* For KOS® MU, BCS® MU and Hexacone® MU	IA K MU	418159	B
  	Long screw for prosthetic use or as pick-up screw for use with HLT MU Tool: HT 1.25, material Ti6Al4V	SFL MU	418168	B
	Transfer for pick-up impressions Straight Delivery incl. SFL MU	HLT MU	418162	C
	Temporary base SF K MU or SFL MU sold separately	TC MU	418161	D

EXTENSION SET FOR BCS® TRAY

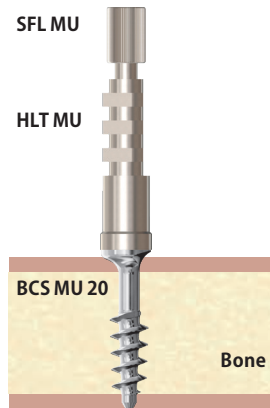
Works with all MU implants

APPLICATION OF SINGLE-PIECE MULTI-UNIT IMPLANTS

1.

Tighten screw SFL MU with the tool HT 1.25.

Fix the transfer with the long screw, then take pick-up-impres- sion.



4.

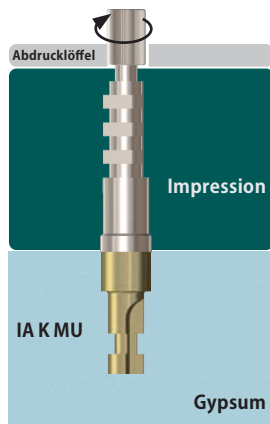
T-Base is sandblasted **from the outside** and cleaned.

The bridge frame is sandblasted **from below in the area of the implants.**



2.

Connect the transfer to the im- plant analogue (IA K MU) and pour the impression with gyp- sum.



5.

All T-Base are fixed to the im- plants with SF K MU or the long screw SFL MU. Then all T-Base are glued with adhesive cement to the bridge frame.

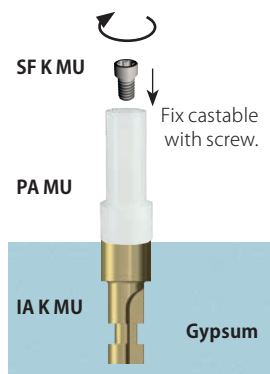
This guarantees a passive fit. Composite excess is removed and the site is polished.



3. a

Connect PA MU with SF K MU on the analogue IA K MU. Tighten screw SFL MU with the tool HT 1.25.

Now the modulation can be created and the frame is veneered. Veneering is possible with acryl, composite and ceramics.



6.

Now the bridge may be scre- wed on passive with SF K MU.

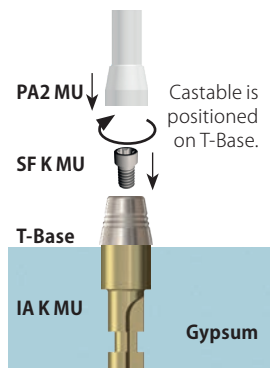
Screw canals are closed with temporary filling material or composite, taking into consid- eration that later access must be possible.



3. b

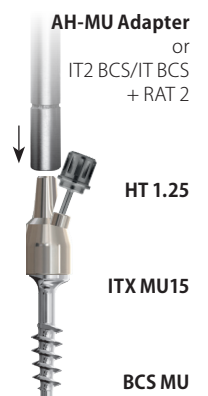
T-Base is positioned over the analogue and screwed on with SF K MU. The cartable PA2 MU is then fitted on top of the T-Base.

Now the modulation is made. Veneering is possible with acryl, composite and ceramics.



Application of insertion tool MU

Example for insertion tool ITX MU15 on the implant BCS® MU / KOS® MU.



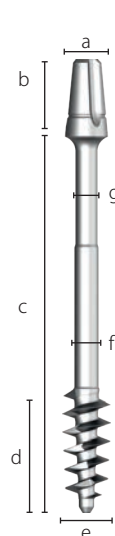
ZSI ZYGOMA SCREW IMPLANTS

ZSI implants are inserted either trans-sinusally (between the membrane and outer bones) or submucosal in the lateral upper jaw and anchored in the area of the Os Zygomaticum. In this case, the smooth parts of the implant are submucosal.

These implants are only used by experienced practitioners with a good knowledge of anatomy. ZSI implants have a bending area below the cementing abutment and can therefore be inserted into the dental arch according to the axis even after palatal insertion into the upper jaw. A separate vertical osteotomy may be necessary for this. See scheme. In one-sided free-end situations, it can be combined with one or more BCS implants in the area of the tubero-ptyergoid region.

The treatment should be carried out in immediate loading protocol. Immediate splinting of the implants is necessary.

Material Highly resistant titanium alloy Ti6Al4V.



Description	Enossal Ø	Length	REF	Price cat.
Allfit ZSI 4.6 35	4.6	35	900100	K
Allfit ZSI 4.6 37.5	4.6	37.5	900101	K
Allfit ZSI 4.6 40	4.6	40	900102	K
Allfit ZSI 4.6 42.5	4.6	42.5	900103	K
Allfit ZSI 4.6 45	4.6	45	900104	K
Allfit ZSI 4.6 47.5	4.6	47.5	900105	K
Allfit ZSI 4.6 50	4.6	50	900106	K
Allfit ZSI 4.6 52.5	4.6	52.5	900107	K
Allfit ZSI 4.6 55	4.6	55	900108	K

a) Abutment Ø	3.9 mm
b) Abutment height	7.2 mm
c) Enossal length	35 - 55 mm
d) Length of thread	10 mm
e) Enossal Ø	4.6 mm
f) Neck Ø above thread	2.2 mm
g) Neck Ø at the top	2.0 mm

INCLUSIVE

ZSI implants are delivered incl. lab-set REF 462353, consisting of



Double analogue, plastic

IA4/IAU

462111



Impression post castable, internally edged, for large head

PA X

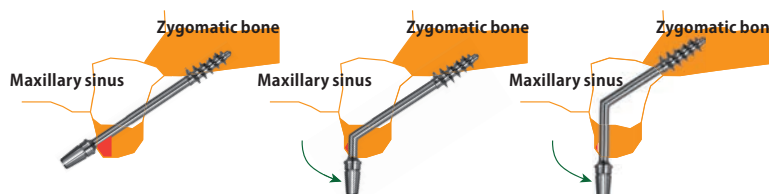
462136



Impression post castable, internally round, for small head

TSPA 4




462029







NOTE This is a standard lab-set and therefore contains parts for both **LARGE** abutment heads (PA X) and **SMALL** abutment heads (TSPA 4).

ZSI implants may be used in a trans-sinusal or sub-mucosal manner. The abutment head is aligned with the tooth arch through bending.

TWIST DRILLS

	Description	REF	Price cat.
	Twist Drill 2.2 / 50 for Zygoma implants, SS	90021	F
	Twist Drill 2.2 / 55 for Zygoma implants, SS	90023	F
	Twist Drill 2.2 for handgrip for Zygoma implants Length 100 mm	310514	F

IMPRESSION TAKING AND LABORATORY ACCESSORIES FOR ZSI

	Description	Unit	Code	REF	Price cat.
	Impression post castable, POM Internally round	Pack of 5	TSPA 5	462030	B
	Double analogue, metal For large and small head	1 piece	IA4/IAU	462112	A
	Double analogue, plastic For large and small head	Pack of 5	IA4/IAU	462111	B
	Castable abutment For large head Internally round	Pack of 5	POB	462086	B

SINGLE PIECE IMPLANT PRO KIT

All trays are delivered **WITHOUT CONTENT**. The tray offers a quick overview of the different lengths and diameters at hand, as well as the available amount of the corresponding implants.

Description	Suitable for implant size	REF	Price cat.
Single Piece Implant Pro Kit BCS® 2.7 - 3.0	BCS® 2.7 - 3.0	60062-A	R
Single Piece Implant Pro Kit BCS® 3.5 - 4.5	BCS® 3.5 - 4.5	60066-A	R
Single Piece Implant Pro Kit BCS® 3.6 - 4.6	BCS® 3.6 - 4.6	60067-A	R
Single Piece Implant Pro Kit BCS® 4.5 - 4.6	BCS® 4.5 - 4.6	60064-A	R
Single Piece Implant Pro Kit BCS® 5.5 / 7 / 9 / 10.5 / 12	BCS® 5.5 / 7 / 9 / 10.5 / 12	60065-A	R



AUXILIARY TOOL

Auxiliary tool for determining the plane of bite in relation to the Camper's plane and the bipupillary line during the creation of the upper jaw part of the bite registration. Can be used with wax or silicone.



REF	Price cat.
462380	N

IHDE DENTAL

(The products of this catalogue are CE marked (class I) and CE 1936 marked (class IIa and IIb) according to 93/42/EC Directive).

Commercial products that are not monitored by our notified body are declared as third-party products.

Basal implants may only be used and operated by qualified persons with valid authorisation (para. 2 MedProdAnw Verordnung). We are certified according to DIN EN ISO 13485 and Annex II of Directive 93/42 EEC.

The product dimensions shown in this brochure may differ from reality for technical reasons.

BCS® is a registered trademark. Pat. Pend.

If implants are reprocessed, there is a risk of the development of infections, because no validated method for processing exists. Implants therefore may not be reprocessed.

Compilation and explanation of symbols on the packaging:



Batch No.



Sterilized by gamma radiation



Non-sterile



Intended for use by dentists or surgeons only



Single use product



Instruction for use



Expiry date



Store in a dry place



Store tightly keep closed



Do not use if packing is damaged



Do not resterilize



Manufacturer



Production date



Catalogue number

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