

System Application  
Single part implants

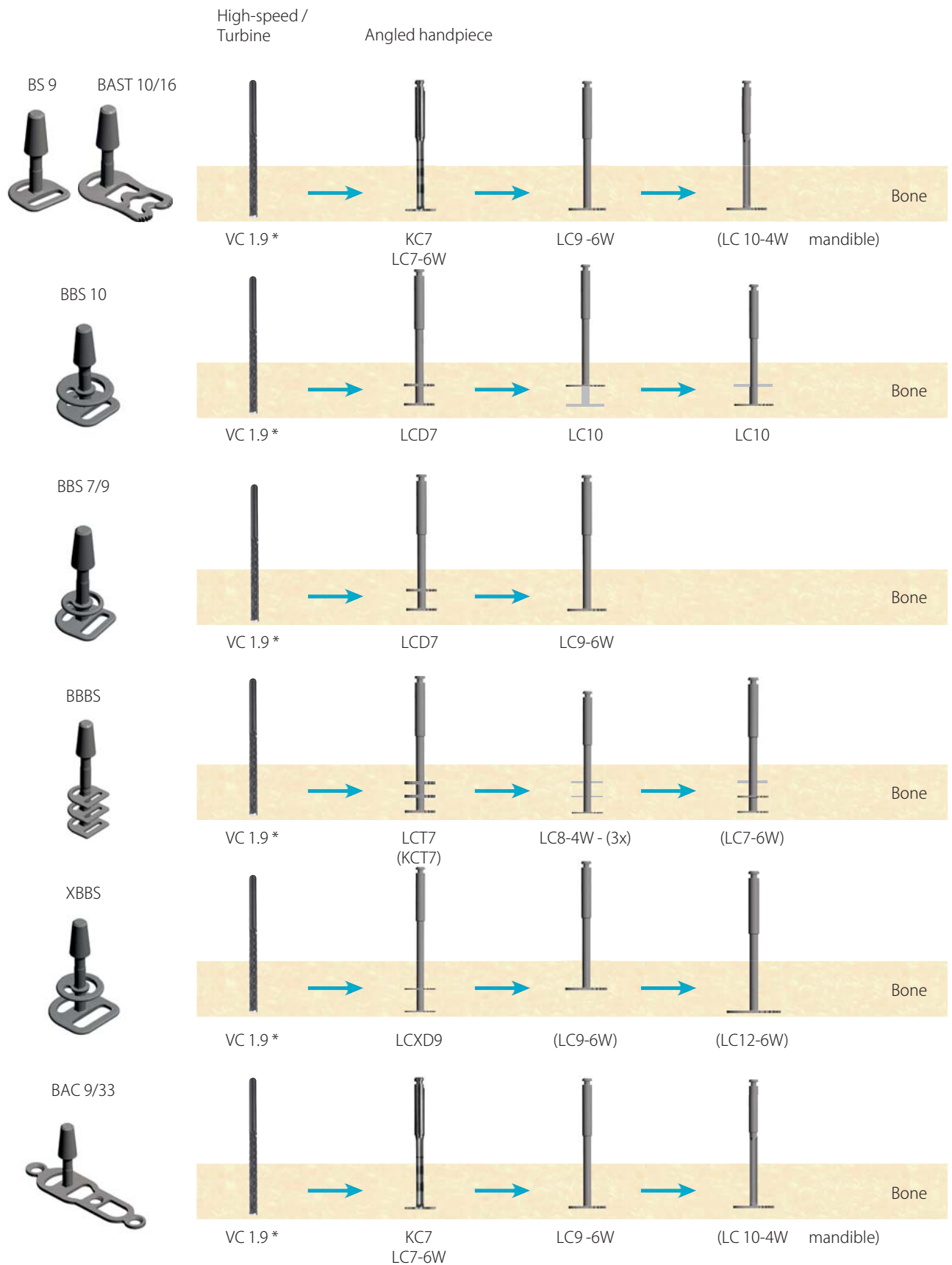


FIELD OF APPLICATION IMPLANT SYSTEM FOR ENOSSAL DENTAL IMPLANTATIONS

**LATERAL IMPLANTS / BASAL IMPLANTS**

**IHDE**DENTAL 

## 1.1 Cutter sequences



\* If necessary, pre-cut with a carbide bur.  
An angled handpiece can alternatively be used if desired.

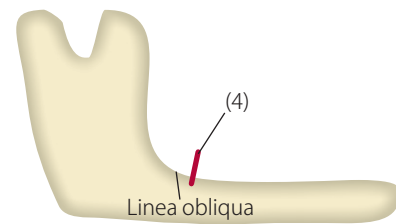
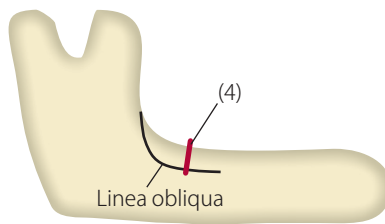
1.2 Vertical osteotomy

Caution: Structures at risk must be protected.  
 Angled handpiece speed: up to 200,000 rpm  
 Turbine speed: up to 40,000 rpm  
 Use external irrigation/aerosol only.

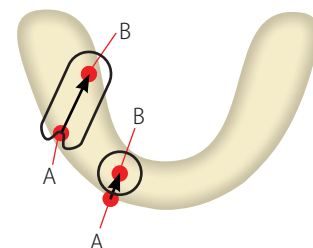
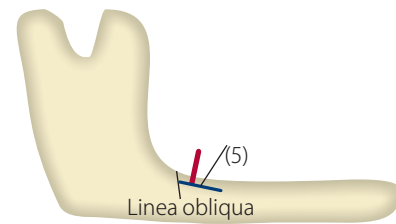
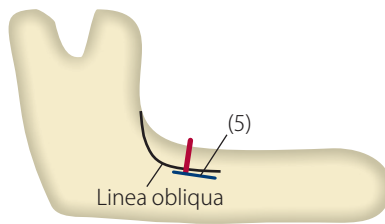
Diameter at the working tip  
 VC: 1.6 mm (high-speed contra-angle/turbine)  
 VCW: 1,9 mm (angled handpiece)

Angled/high-speed handpiece

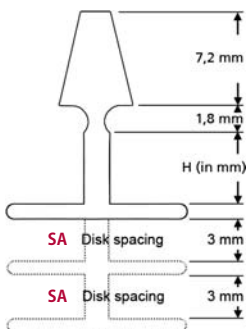
VC/VCW cutter



1.3 Horizontal osteotomy



Implant nomenclature example: BBBS



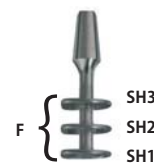
- BOI\*** / **Diskos\*** Cementing head (large/small)
- TOI\*** Internal thread, external Hex
- X** Disk spacing 5 mm for double-disk implants (without «X»: 3 mm disk spacing)

One-piece BOI\* implants

- B** Single-disk BOI\* implants
- BB** Double-disk BOI\* implants
- BBB** Triple-disk BOI\* implants
- 10** Implant diameter (in mm, basal disk)
- 7** Implant diameter (in mm, maximum width) (anatomical shaped basal implants, with disk rings in different diameters)
- H** Shaft height in mm

Other classification elements

- S** Cube-shaped disks (e.g. BS 12)
- A** Asymmetrical shaft (e.g. BAST)
- CSD** Cutter shaft diameter



- SH 1-3** Disk height (individual disks)
- SA** Distance between disks

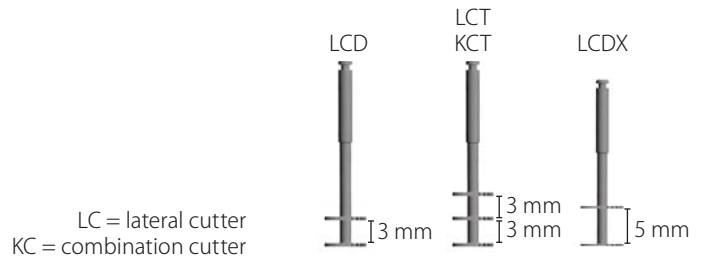
Implant material (unless otherwise mentioned): CP Grade 2 titanium

## 1.4 Multi-disk BOI® implants

Establish the position of the disks within the bone depending on the disk space spacing (3 mm or 5 mm)

## 1.5 Single-disk BOI® implants

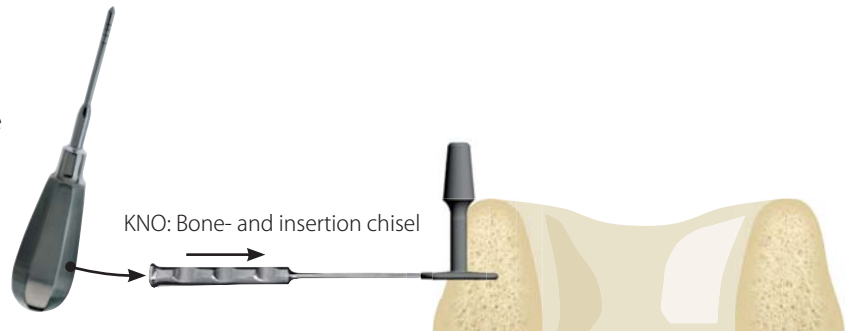
Select the right cutter sequence for the prevailing bone quality



## 1.6 Insert the implant

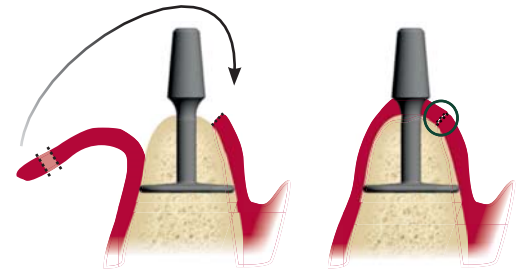
Always choose the maximum possible disk diameter.

Apply KNO insertion chisel or a second elevator to the disk ring or the horizontal strut of the implant. Make sure never to damage the polished vertical part of the implant.



## 1.7 Punch the flap with the scalpell and pull the flap over the abutment

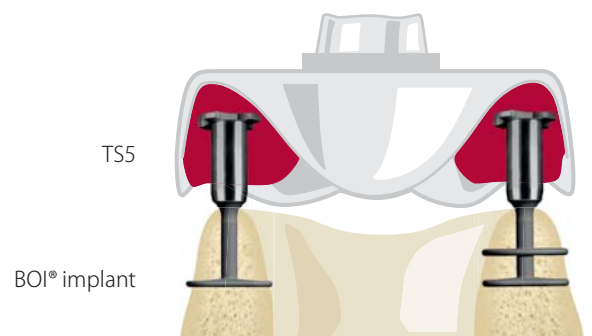
Suture the gingiva in place



## 1.8 Impression

Caution: Use only medium-flow silicones (no putty), alginate or polyether.

Do not use thin-flowing silicones.  
Do not use the double-mixing technique,  
nor correction technique.



**Indication: Implant system for enossal Implants in the jaw area.**  
**BOI® is an Allfit® implant system.**

**BOI® XBBS**



Description	SH1	SH2	F	SA	REF	Price cat.
XBBS 12/ 9 H6	0.7 - 0.9	0.7	6.4	5	<b>461674</b>	<b>T</b>
XBBS 14/10 H8	0.7 - 0.9	0.7	6.4	5	<b>461676</b>	<b>T</b>

- For the upper canine region

**BOI® BAC**



Description	SH1	REF	Price cat.
BOI BAC 9/33 H4	0.6	<b>461662</b>	<b>X</b>
BOI BAC 9/33 H6	0.6	<b>461660</b>	<b>X</b>

- Use in combination with fibrin membranes (PRF)
- Retaining screws: SSF 2.4 or SSF 2.7
- Indication: Enossal/subperiosteal Implantats in the jaw area

**BOI® BAC2**



Description	SH1	REF	Price cat.
BOI BAC2 9/43 H4	0.6	<b>461666</b>	<b>X</b>
BOI BAC2 9/43 H6	0.6	<b>461667</b>	<b>X</b>
BOI BAC2 9/43 H8	0.6	<b>461668</b>	<b>X</b>

- Indication: Enossal/subperiosteal Implantats in the jaw area

**BENDING AID FOR BOI® IMPLANTS**



Description	REF	Price cat.
<b>BHB</b> Flexing aid for BOI® implants, use with RAT2	<b>462700</b>	<b>B</b>

Material: SS

**BREAK-OFF BONE SCREWS FOR SECURING BASAL IMPLANTS**



Description	REF	Price cat.
SSFW 6 Break-off bone screw, short (6 mm), purple, pack of 5	<b>401570</b>	<b>B</b>
SSFW 9 Break-off bone screw, long (9 mm), blue, pack of 5	<b>401572</b>	<b>B</b>

**Note:** After securing the screw, the angled handpiece connector part is broken off through careful lateral movements. Thread diameter: 1.1 mm  
Material: Ti6Al4V

**IMPRESSION- AND LAB ACCESSORIES FOR BOI® ≥ 5.5 mm Ø**

<b>Code REF</b> TSPA 5 (Plastic) 462030	<b>IA B (Plastic)</b> 462106	<b>POB</b> 462086
Impression post internally round Pack of 5	Analogue <b>scanable</b> Pack of 5	Castable abutment Pack of 5
<b>Price cat.</b> B	<b>B</b>	<b>B</b>

## BOI®-IMPLANTS MATERIAL PURE TITANIUM

One-piece implants with longitudinal oval threaded pin (1.95 mm x 2.1 / 2.3 mm Ø); height of the implant head, 7.2 mm; width of the implant head, 3.9 mm; sandblasted head.

### BOI® BS



Description	SH1	REF	Price cat.
BS 7 H8	0.7 - 0.9	461621	N
BS 9 H6	0.7 - 0.9	461623	N
BS 10 H4	0.7 - 0.9	461624	N
BS 10 H6	0.7 - 0.9	461625	N
BS 10 H10	0.7 - 0.9	461626	N
BS 12 H6	0.7 - 0.9	461627	N
BS 12 H8	0.7 - 0.9	461628	N
BS 12 H10	0.7 - 0.9	461629	N
BS 12 H12	0.7 - 0.9	461630	N

- Cube-shaped disks (anti-rotational)

### BOI® BAST (REPLACES BAS)



Description	SH	GD	REF	Price cat.
BAST 10/16 H4	0.7 - 0.9	9.5	461647	T
BAST 10/12 H6	0.7 - 0.9	9.5	461642	T
BAST 10/16 H6	0.7 - 0.9	9.5	461643	T
BAST 10/14 H8	0.7 - 0.9	9.5	461646	T
BAST 10/16 H8	0.7 - 0.9	9.5	461644	T

- GD = Maximum diameter on round side
- With cogs on the flat side
- May be rotated after placement

### BOI® BBS



Description	SH1	SH2	F	SA	REF	Price cat.
BBS 7 H6	0.7 - 0.9	0.7	4.4	3	461655	Q
BBS 9/7 H6	0.7 - 0.9	0.7	4.4	3	461656	Q
BBS 9/7 H10	0.7 - 0.9	0.7	4.4	3	461657	Q
BBS 9/7 H8	0.7 - 0.9	0.7	4.4	3	461658	Q
BBS 10 H4	0.7 - 0.9	0.7	4.4	3	461659	Q

### BOI® BBBS






Description	SH1 - SH3	F	SA	REF	Price cat.
BBBS 7 H4	0.6	7.8	3	461652	N
BBBS 7 H6	0.6	7.8	3	461653	N
BBBS 7 H8	0.6	7.8	3	461654	N

**INSTRUMENTS AND TOOLS (STAINLESS STEEL)**

	Description	Code	REF	Price cat.
	Titanium spatula, 17 cm, individually bendable and grindable, Grade 1 titanium	TIS	425407	B
	Bone and insertion chisel, 13 cm long, custom-grindable	KNO	462330	B
	Screwdriver tip for contra-angle and adapter 36 mm long	ITW SSF	314448	C
	Adapter for all angled handpiece instruments, matches handgrip		310530	C
	Handgrip, 110 mm long (snap-on connection)		311431	V
	Screwdriver tip, 100 mm long, for direct insertion into the handgrip		314447	C
	Drill for SSF-bone screws, 1.4 mmd	SDW SSF	310520	C
	Hex-instrument, 45 mm, Ø 1.25 mm. Tool: HAS	HT 1.25 EO	462371	C
	Hex-instrument extralong, 45 mm, Ø 1.25 mm. Tool: HAS	HT X1.25 EO	462372	C
	Ratchet, angled for all Hex-instruments and insertion tools	RAT 3	425052	S
	Ratchet adapter	IT ITV	500854	C




**SSF BONE SCREWS MATERIAL Ti6Al4V**

	Description	Pieces / pack		Ø	L	REF	Price cat.
	SSF 1.5 6	5	metallic silver	1.5	6	401500	B
	SSF 1.5 8	5		1.5	8	401502	B
	SSF 2.4 6	5	anodized yellow	2.4	6	401506	B
	SSF 2.4 8	5		2.4	8	401508	B
	SSF 2.4 10	5		2.4	10	401510	B
	SSF 2.4 12	5		2.4	12	401512	B
	SSF 2.4 14	5		2.4	14	401514	B
	SSF 2.7 8	5	anodized blue	2.7	8	401558	B
	SSF 2.7 10	5		2.7	10	401560	B
	SSF 2.7 12	5		2.7	12	401562	B
	SSF 2.7 14	5		2.7	14	401564	B

# VERTICAL AND HORIZONTAL CUTTER


## CUTTER FOR BOI® - IMPLANTS MATERIAL VARIOUS STEEL

### VERTICAL CUTTER (VC)

	Description	L	DV **	REF	Price cat.
	VC 1.9 *	32	1.9	<b>462214</b>	<b>F</b>
	VC 1.6 *	32	1.6	<b>462215</b>	<b>F</b>
	VC 1.9-W ***		1.9	<b>462214-W</b>	<b>F</b>




\* FG for turbine or red contra-angle  
 \*\* DV = Diameter Vertikalcutter  
 \*\*\* for contra-angle

### COMBINATION CUTTER SIMULTANEOUS CUTTING ON VERTICAL AND HORIZONTAL PART

	Description	L	SH	SA	D	REF	Price cat.
	KC 7-4W	32	0.4		7	<b>462221-4W</b>	<b>E</b>
	KC 8-4W	32	0.4		8	<b>462222-4W</b>	<b>E</b>
	KCD 7-4W	32	0.4	3	7	<b>462237-4W</b>	<b>E</b>
	KCXD 9-6W	32	0.6	5	9	<b>462245-6W</b>	<b>E</b>

KCD combi double cutter contra-angle

### LATERAL CUTTER CUTS ONLY AT THE DISC



	Description	L	SH	SA	D	REF	Price cat.
	LC 7-4W	32	0.4		7	<b>462259-4W</b>	<b>D</b>
	LC 7-6W	32	0.6		7	<b>462259-6W</b>	<b>D</b>
	LC 7-8W	32	0.8		7	<b>462259-8W</b>	<b>D</b>
	LC 8-4W	32	0.4		8	<b>462260-4W</b>	<b>E</b>
	LC 9-4W	32	0.4		9	<b>462261-4W</b>	<b>E</b>
	LC 9-6W	32	0.6		9	<b>462261-6W</b>	<b>E</b>
	LC 9-8W	32	0.8		9	<b>462261-8W</b>	<b>E</b>
	LC 10-4W	32	0.4		10	<b>462262-4W</b>	<b>E</b>
	LC 10-6W	32	0.6		10	<b>462262-6W</b>	<b>E</b>
	LC 10-8W	32	0.8		10	<b>462262-8W</b>	<b>E</b>
	LC 12-4W	32	0.4		12	<b>462264-4W</b>	<b>E</b>
	LC 12-6W	32	0.6		12	<b>462264-6W</b>	<b>E</b>
	LC 15-4W	32	0.4		15	<b>462266-4W</b>	<b>E</b>
	LCD 7-4W	32	0.4	3	7	<b>462252-4W</b>	<b>E</b>
	LCT 7-4W	32	0.4	3		<b>462255-4W</b>	<b>E</b>

LC 7 Lateral Cutter contra-angle

LCD 7 Lateral Double Cutter contra-angle

LCT Lateral Tripple Cutter contra-angle

### CUTTER FOR DISKOS®4T AND TOI®IET - IMPLANTS

	Description	L	SH	SA	D	REF	Price cat.
	ICD5-N	26.7	0.6	3	5	<b>462437-W</b>	<b>D</b>
	ICT5-N	30.3	0.6	3	5	<b>462415-W</b>	<b>D</b>

ICD Cutter

ICT Cutter

L = Length in mm; SH = disk height; SA = disk spacing; D = disk diameter



**BOI® LIGHT - TRAY**

Autoclavable up to 134 °C, not suitable for dry heat sterilizers  
Material: stainless steel



Size of closed tray  
B = 105 mm / L = 230 mm / H = 55 mm  
for all autoclaves

**CONTENT FOR THE BOI® LIGHT - TRAY**

Description	REF	Description	REF	Description	REF	Price €
BHB	462700	LC 9-4W	462261-4W	BCD 1	900240	
IT K	462320	LC 9-6W	462261-6W	Ratchet RAT2	425051	
ITS K	462322	LC 9-8W	462261-8W	AHB	900037	
ITX K	462321	LC 10-4W	462262-4W	AHK	462319	
SDW SSF	310520	LC 10-6W	462262-6W	TIS Titanium spatula	425407	
ITW SSF	314448	LC 12-6W	462264-6W	Handgrip	311430	
DX 2	500704	KC 7-4W	462221-4W	KNO bone chisel	462330	
ITW K	462331	LCD 7-4W	462252-4W	Contra-angle adapter	310530	
IT2 BCS	900030	LCT 7-4W	462255-4W			
HMF	411581	KDS 3.0	KDS 3.0	BOI® Light-Tray (empty)	60011	369,00
VC	462215	Twist Drill 2.0 / 21	90022			
LC 7-6W	462259-6W	Twist Drill 2.0 / 30	90020	<b>BOI® Light-Tray (with content)</b>	560011	2.100,00
LC 7-8W	462259-8W	Twist Drill 2.5 / 21	90026			

**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 BOI® system.  
Material: autoclavable plastic



Description	REF	Price €
VC	462215	
KC 7-4W	462221-4W	
LCD 7-4W	462252-4W	
LCT 7-4W	462255-W	
ICT5-N	462415-W	
LC 9-6W	462261-6W	
LC 10-4W	462262-4W	
LC 12-4W	462264-4W	
BHB	462700	
Torque wrench TW2	425402	
<b>Starter-Tray (with content)*</b>	<b>560046-K</b>	<b>698,90</b>

\* Empty tray upon request



**Safe anchorage in cortical bone even in patients with reduced bone height**

**Suitable for immediate loading**

**Suitable for medical risk patients and for smokers**

**Multiple design patents: For long-term primary stability**

**May be combined with natural teeth and crestal implants**

**MANUFACTURER**

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[www.implant.com](http://www.implant.com) (CH)

[www.ihde-dental.de](http://www.ihde-dental.de) (DE)

Lateral (basal) implants may only be used (applied, equipped with prosthesis and during the maintenance phase) by especially qualified treatment providers with a valid authorization (pursuant to legislation on the installation, use and maintenance of medical devices).

We are certified DIN EN ISO 13485, and annex II of EEC Directive 93/42 EWG (2007).

The product dimensions shown in this catalogue may be different from actual reality for technical reasons.

BOI®/TOI®/Diskos® are registered trademarks. BOI®/TOI®/Diskos® implants are protected by patents.

In case that implants would be reprocessed (cleaned, resterilized) infections could occur, because no validated procedures for reprocessing are available.

Symbols on the packs

Production No.	Sterilized by gamma radiation	Sterilization Ethylene oxide	Non-sterile	Intended for use by dentists or surgeons only	Single-use product	Instruction for use	Expiry date	Store in a dry place	Temperature range from -5° C to 25° C	Store tightly keep closed	Do not use if packing is damaged	Do not resterilize	Manufacturer	Production date

**IHDE**DENTAL

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