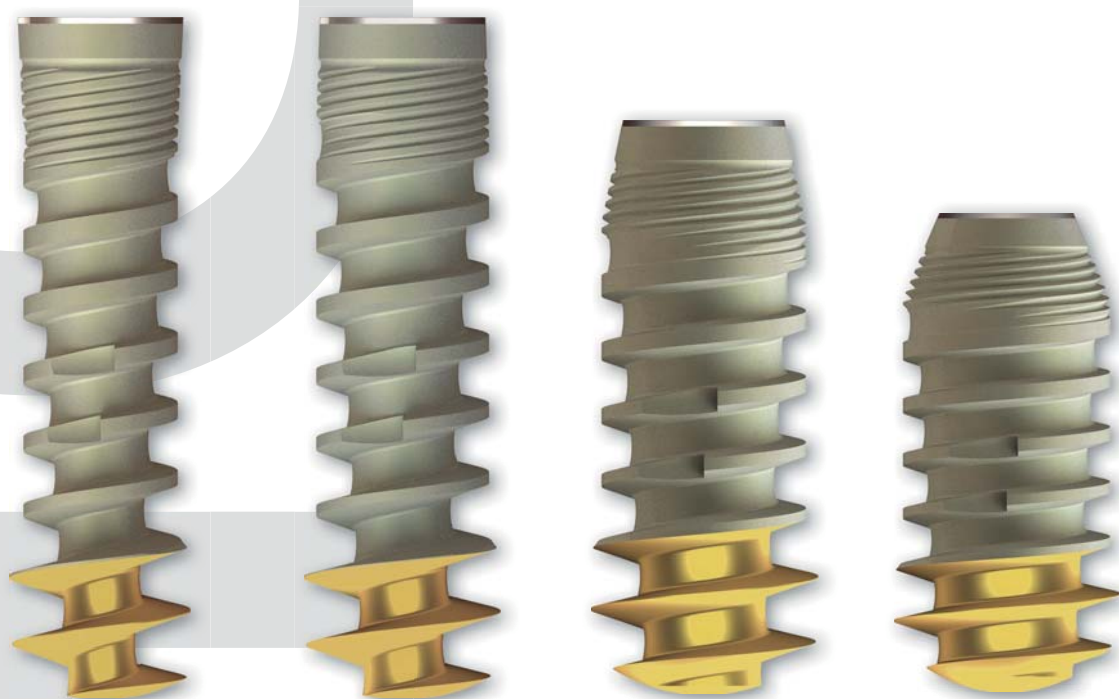


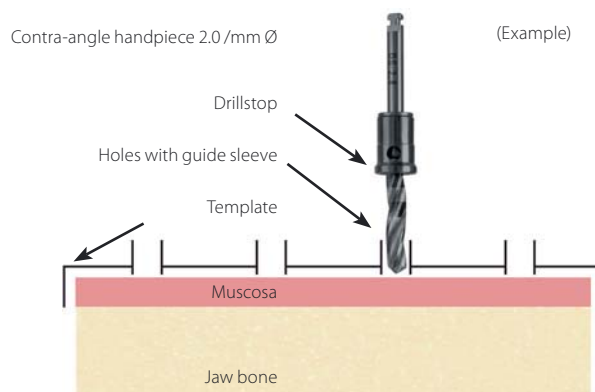
# TWO PART IMPLANT SYSTEM HC2

- Secure anti-rotation through high-precision internal hexagon
- Apical expanded bone thread with No-Itis® surface
- Excellent stability in all bone qualities: double condensation
- Universal application for fixed and removable prosthodontics
- Surface blasted, etched and anodised
- Abutment alignment and 100% tightness by the taper



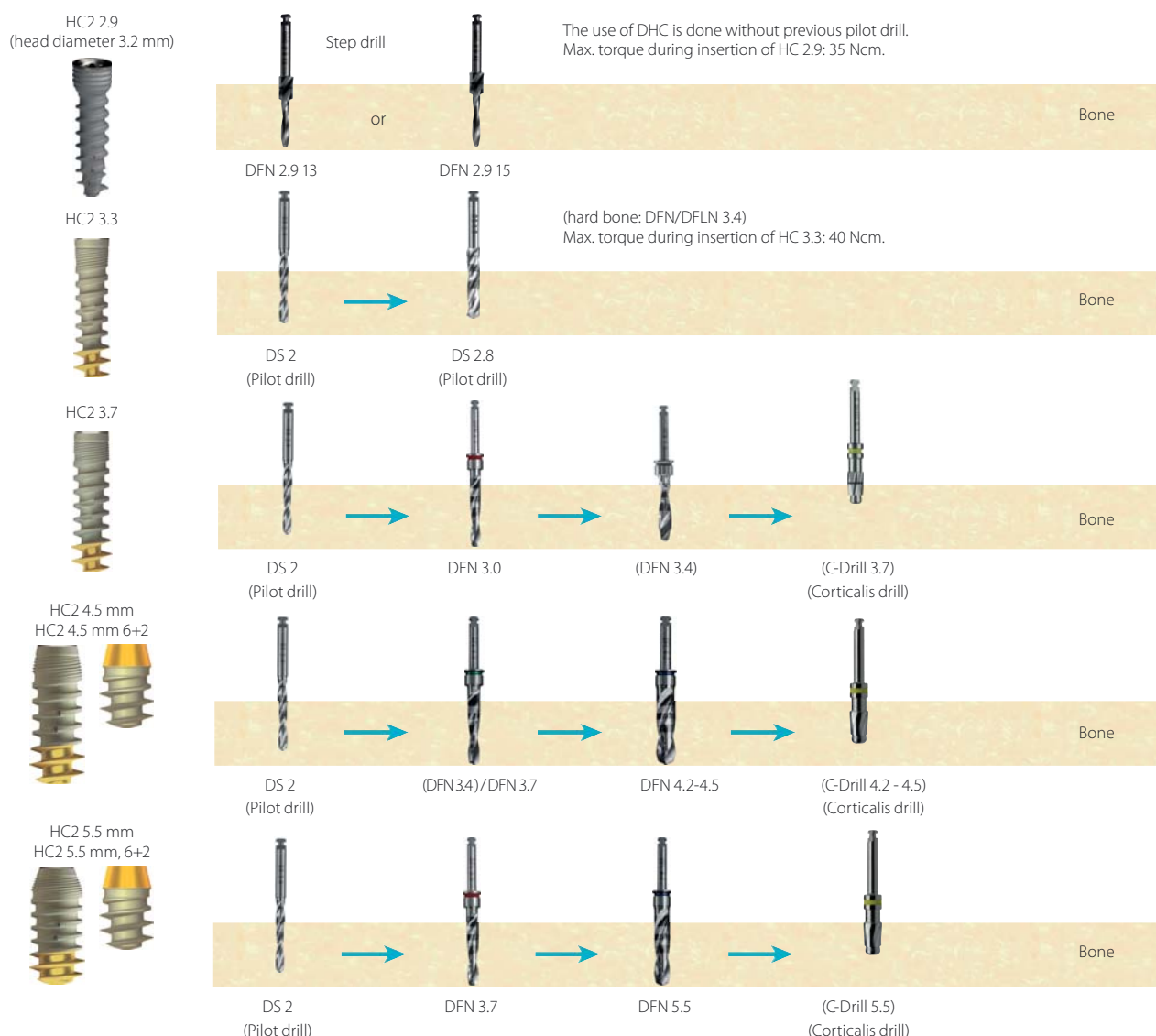
## PRELIMINARY WORK FOR TEMPLATE APPLICATION

1. Ask your laboratory to prepare a drill template with the determined boreholes for the pilot drills. To be on the safe side, you can ask the laboratory to insert guide sleeves (**REF BFH**) into the boreholes, which specify the exact drill direction. Please use a 2.0 / 2.2 mm Ø drill for the pilot drilling.
2. For the following drill sequences you can use drill stops, which can be attached and tightened to the drill according to the length of drilling channel. Mucous membrane thickness and template height are taken into account as needed. Thanks to the extremely high cutting efficiency of our drills, no ascending drilling sequences will usually be required. Recommended RPM: 2000-5000. Apply sufficient cooling and allow the cooling to reach the working blades of the drills.



### 1.1 Drill for contra-angle handpiece

Typical sequence of the drills:



**General note - HC2** implants are used as compression screws. In order to achieve a good bone condensation and implant stability, the drilling should be carried out thinner than the core diameter of the implant. The minimal diameter of the drill depends on the bone density. It is therefore not possible to advise drill-sequences which fit all bone-qualities. Typically in the soft maxillary bone only small drill-diameters are used (e.g. the usage of **DOS1** only, for **HC2** implants with 3.3 - 5.5 mm diameter), whereas in the highly mineralized lower jaw a specific drill sequence with respect to the mineralisation of the bone is necessary. For insertion under pressure use the handgrip. Due to technical reasons **HC2 2.9** mm is not available with expanded apical thread.

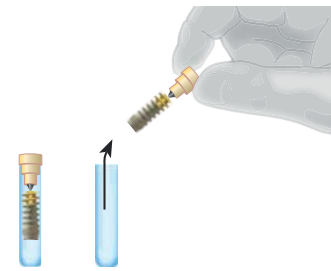
## 1.2 Implant packaging



Original packaging



Open packaging using the flap  
Remove the label and stick  
it into your patient's file.



1. Open the lid. The implant is connected to the lid with a break joint.
2. Remove the implant without touching the inner walls of the tube.

## 1.3

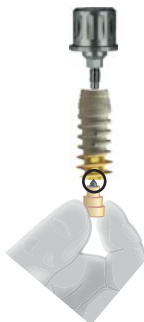
Attach the insertion tool to the implant by holding the top, to which the implant is secured, with your other hand.

Alternative: Firmly attach the assembled contra-angle handpiece instrument IT 2.5 M to the implant. For ratchets ITL 2.5 can be used as well.

**IT 1 or IT 2**  
Make sure that the  
hexagon is in the correct  
position

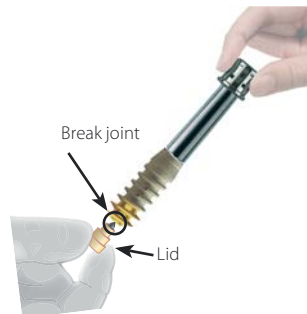
HC2 Implant

Break joint  
Lid with  
implant mount



## 1.4

After you have attached the insertion tool, firmly hold the lid in your hand and break the implant off the top along the break joint.

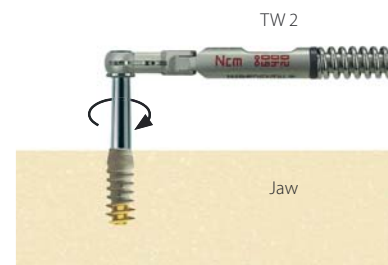


## 1.5

Using the ratchet screw the implant clockwise into the cavity.

The enossal part of the implant must be completely covered by the bone.

After insertion the implant can be turned by a 1/4 rotation backwards in order to relieve the bone and allow blood access to the implant site.



## 1.6

Disengage the insertion tool from the implant.



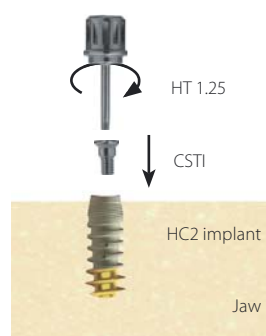
## 1.7

Result: a correctly inserted implant



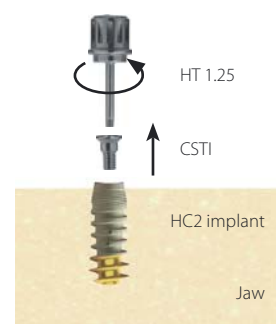
## 1.8

Close the implant with the suitable cover screw



## 1.9

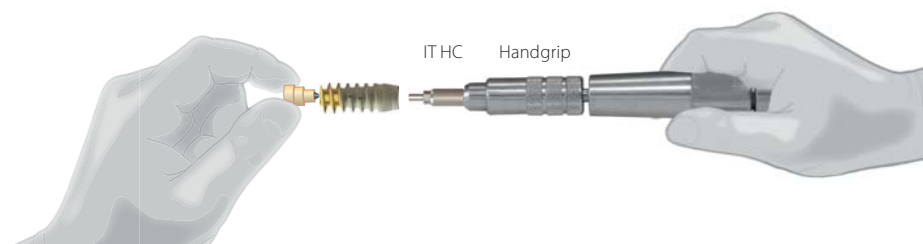
After healing period:  
Remove cover screw



## 1. SURGERY AND PICK-UP IMPRESSIONS

### 1.10

Usage of the handgrip and HC2 adapter



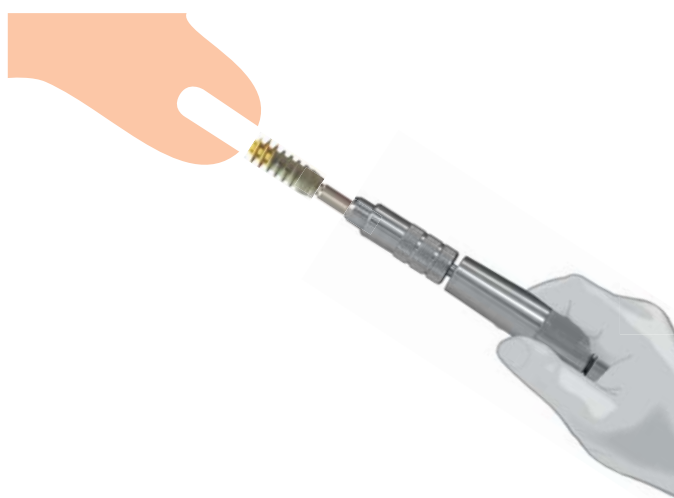
### 1.11

Break off the holder



### 1.12

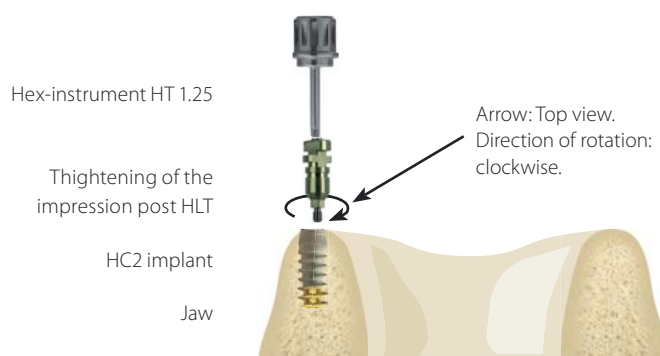
Insertion of the implant with axial pressure while turning



## 2.1 PICK-UP IMPRESSIONS

### 2.1.1 Impression taking using the pick up method

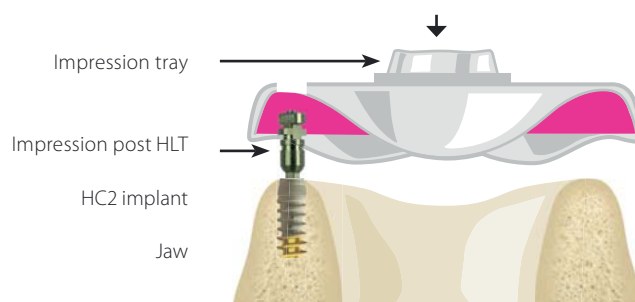
Impression taking using an individual impression tray



### 2.1.2 Prior to the impression

Impression taking with an A-silicone such as Safeprint by Dr. Ihde Dental. The use of open and closed impression tray is possible.

The impression post HLT must not necessarily be unscrewed from the implant in order to remove the impression tray. It can be repositioned later as well.



### 2.1.3 Take impression

Disengage HLT from the implant: HLT remains in the impression

After the impression is taken, the implant is closed with a healing abutment (Gingiva former - straight or anatomic) and the impression is sent to the laboratory.

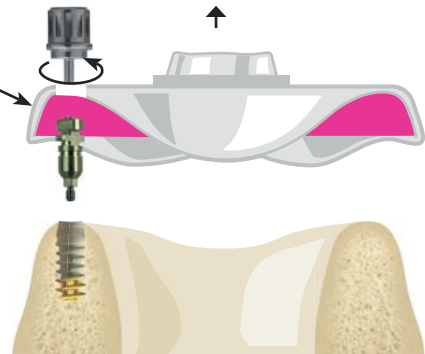
Loosen screws with HT 1.25

Window in impression tray

HLT

HC2 implant

Jaw



## 2.2 CLOSED TRAY IMPRESSION TAKING

### 2.2.1 Impression taking with a closed impression tray

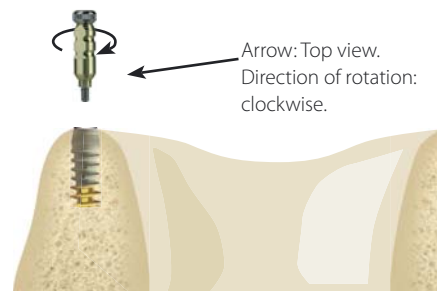
Impression taking using an individual impression tray

Tighten the impression post manually with the top screw

TS/TSL HC

HC2 implant

Jaw



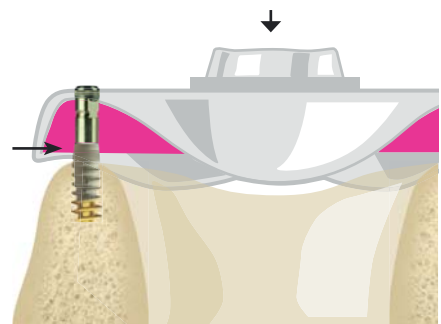
### 2.2.2 Prior to the impression

Impression taking with an A silicone such as Safeprint® IM by Dr. Ihde Dental.

When applying the closed-tray method, the impression post TS/TSL HC is not located in the impression tray after the impression is removed, but in the implant.

Impression post  
TS/TSL HC  
HC2 implant

Jaw



### 2.2.3 Remove impression

When the closed-tray method is applied, the impression post TS/TSL HC remains on the implant after the impression tray is removed.

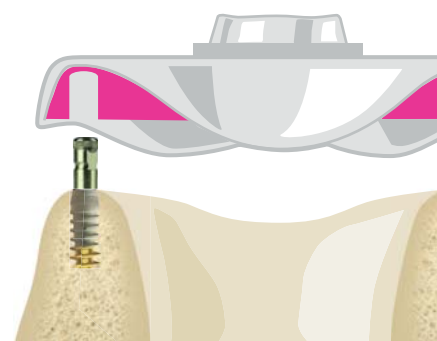
After removal of the impression tray the impression post will be unscrewed and repositioned in the impression.

After the impression is taken, the implant is closed with a healing abutment (Gingiva former - straight or anatomic) and the impression is sent to the laboratory.

TS/TSL HC

HC2 implant

Jaw



### 3. PROCEDURES IN THE LABORATORY

#### 3.1 Preparation of the impression tray for the model generation

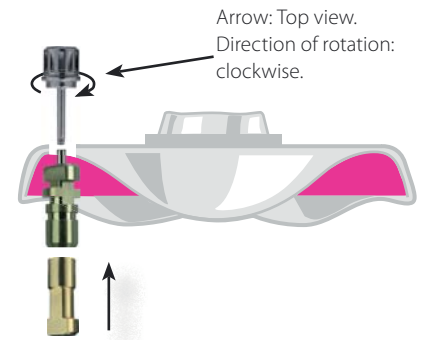
##### Pick up method:

Screw analog or M-analog against the impression post.

Fasten the laboratory analog in the impression using HT 1.25

HLT

IA or M-analog



#### 3.2 Closed-tray method:

Screw analog IA or M-analog IA HC M to the transfer post TS HC. ☒

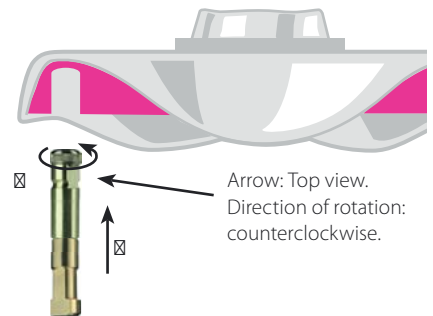
Subsequently the impression post is repositioned in the impression. ☒

The impression can now be casted. In M analogs (IA HC M) block the lower access to the lock screw out prior to casting.

Tighten the impression post onto the laboratory analog using the knurled screw

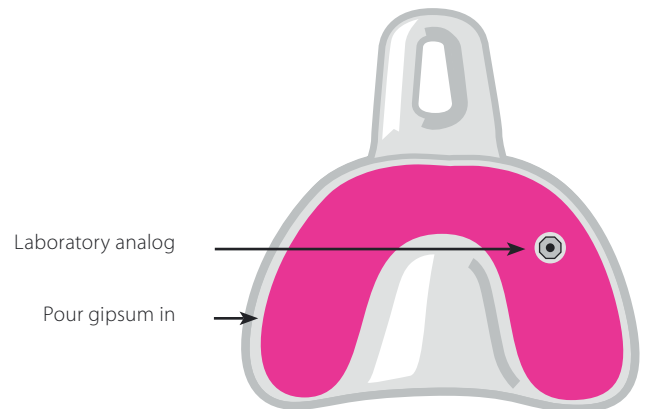
TS HC

IA or IA HC M



#### 3.3

The impression is poured. Then the impression posts (HLT or TS/TSL HC) are unscrewed from the laboratory analog.



#### 3.4

The laboratory analog is now in the proper position and orientation in the gipsum.

IA or IA HC M

Gipsum



#### 3.5

Positioning of the screwable abutments TLA15 HC, thereby the optimal position and adequate angulation must be determined.

**NOTE** The hexagon must be completely inserted into the analog.

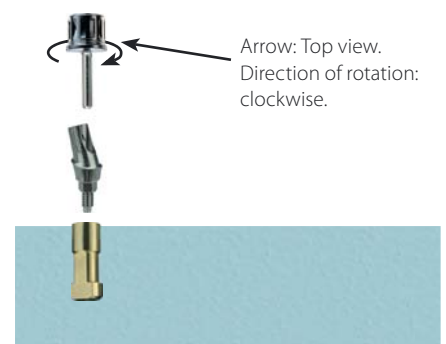
HT 1.25

screw eindrehen

TLA 15  
Achten Sie auf die korrekte  
Stellung des Hexagons

IA or IA HC M

Gipsum



#### 3.6

Ensure proper position of the abutment when transferring into the mouth.

Tightening torque of the screw during fastening on the implant: 20 Ncm



#### 3.7

If more than one angled abutment is used, your laboratory will prepare a detachable synthetic bar (e.g. from Pattern Resin) in order to facilitate the correct positioning in the mouth.



#### Please note:

For HC2 implants with internal dual-hex (12 corners, HC2) the implant analogs IA 12 (REF 418177) or IA12 M (REF 418178) are used.

### APPLICATION IA HC M ANALOGUE

#### The problem:



Implants, which are inserted with directional divergences, cause the technician increased difficulties

#### The solution:



**IA HC M** tapered analog with jacket and TS HC or TSL HC impression post (right)

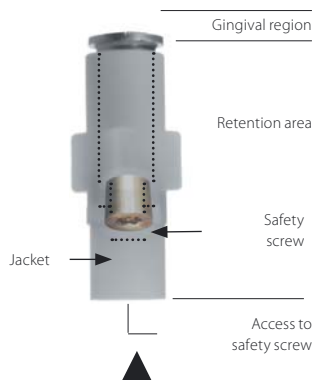
The lock screw is firmly tightened against the analog using the hexagon wrench HT 1.77. Thereby the jacket is affixed. Now the M analog can be secured in the impression. Depending on the implant type this is done by attaching or tightening of the M analog.

M analogs for HC2:

Pack with 1 analog, 1 lock screw and 5 sleeves

**Code: IA HC M**

**(REF 418115)**



- each M analog can be removed from the model at any time.
- no saw-cut model is necessary any more
- the 8 degree cone angle compensates for angulations between the implants
- all M analogs are equipped with rotation protection.
- damaged analogs can be easily replaced on the same model.
- adjustments can be made directly on the analog. The analog can be easily removed from the model
- disturbing analogs can be temporarily removed
- these analogs do not need to be "deflasked" from previous models. Leave the jacket, use the analogs right again
- the analogs can be reused. You save money



## HEXACONE® IMPLANTS

The surface is sandblasted and acid etched (high temperature), the apical thread has a No-Itis® surface. HC2 implants feature an internal 6-edge, an internal marginal taper and a US standard internal thread.



## Dimensions HC2 4.5 + 13

a) thread Ø basal	4.3 mm
b) height of the wide thread part	
c) micro thread length	2.5 mm
d) nominal Ø	3.7 mm

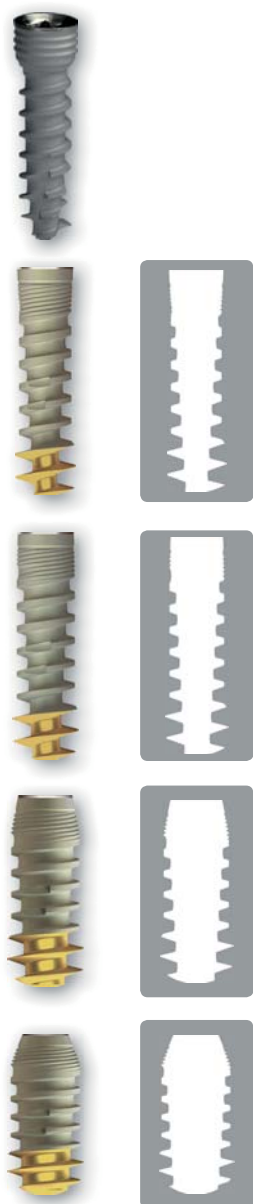
## NEW HC2 implant is now available with aggressive apical thread and No-Itis® surface

As a result of many years of clinical observation of products, Dr. Ihde Dental AG has revised the design of the famous HC2 implant: the broadened apical thread is fully self-cutting and carries the yellow No-Itis® surface. Thanks to the new thread portion, the implant is more stable even in weak bone and high insertion torque can be reached.

If the implant is anchored in the 2nd cortical, it may be used in immediate load protocols.

Especially in the upper jaw the usage of the new handgrip (**REF311431**, with Adapter IT HC **REF418196**, see page 15) for inserting the implant is advisable. This tool allows to apply vertical insertion forces and will enhance the anchorage.

The drill sequence remains unchanged compared to the former design of the HC2 implant. And of course all abutments and tools remain the same also if the new implant is applied.



Description	enossal Ø	enossal length	Code	REF	Price cat.
HC2 2.9 13	2.9 mm	13 mm	<b>HC2 2.9 13</b>	<b>13-413200</b>	<b>G</b>
HC2 2.9 15	2.9 mm	15 mm	<b>HC2 2.9 15</b>	<b>13-413201</b>	<b>G</b>
HC2 3.3 8	3.3 mm	8 mm	<b>HC2 3.3 8</b>	<b>13-413220</b>	<b>G</b>
HC2 3.3 10	3.3 mm	10 mm	<b>HC2 3.3 10</b>	<b>13-413221</b>	<b>G</b>
HC2 3.3 11.5	3.3 mm	11.5 mm	<b>HC2 3.3 11.5</b>	<b>13-413222</b>	<b>G</b>
HC2 3.3 13	3.3 mm	13 mm	<b>HC2 3.3 13</b>	<b>13-413223</b>	<b>G</b>
HC2 3.3 15	3.3 mm	15 mm	<b>HC2 3.3 15</b>	<b>13-413224</b>	<b>G</b>
HC2 3.7 8	3.7 mm	8 mm	<b>HC2 3.7 8</b>	<b>13-413202</b>	<b>G</b>
HC2 3.7 10	3.7 mm	10 mm	<b>HC2 3.7 10</b>	<b>13-413203</b>	<b>G</b>
HC2 3.7 11.5	3.7 mm	11.5 mm	<b>HC2 3.7 11.5</b>	<b>13-413210</b>	<b>G</b>
HC2 3.7 13	3.7 mm	13 mm	<b>HC2 3.7 13</b>	<b>13-413204</b>	<b>G</b>
HC2 3.7 15	3.7 mm	15 mm	<b>HC2 3.7 15</b>	<b>13-413205</b>	<b>G</b>
HC2 4.5 8	4.5 mm	8 mm	<b>HC2 4.5 8</b>	<b>13-413206</b>	<b>G</b>
HC2 4.5 10	4.5 mm	10 mm	<b>HC2 4.5 10</b>	<b>13-413207</b>	<b>G</b>
HC2 4.5 11.5	4.5 mm	11.5 mm	<b>HC2 4.5 11.5</b>	<b>13-413208</b>	<b>G</b>
HC2 4.5 13	4.5 mm	13 mm	<b>HC2 4.5 13</b>	<b>13-413209</b>	<b>G</b>
HC2 5.5 8	5.5 mm	8 mm	<b>HC2 5.5 8</b>	<b>13-413211</b>	<b>G</b>
HC2 5.5 10	5.5 mm	10 mm	<b>HC2 5.5 10</b>	<b>13-413212</b>	<b>G</b>
HC2 5.5 11.5	5.5 mm	11.5 mm	<b>HC2 5.5 11.5</b>	<b>13-413213</b>	<b>G</b>
HC2 5.5 13	5.5 mm	13 mm	<b>HC2 5.5 13</b>	<b>13-413214</b>	<b>G</b>

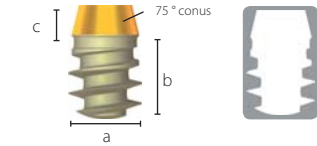
HC2 2.9, 3.3, 4.5 and 5.5 implants will be converted from Dualhex to Hex.

HC2 2.9 must only be used in the load reduced area and not as single tooth implant.



## HEXACONE® 6+2 IMPLANTS

**HC2 6+2** was developed specially for the area of the 1st and 2nd molars in the upper and lower jaw. It is possible and recommendable to use it as a compression screw implant in the upper jaw. Enossal length 6 mm. The upper edge of the polished 75° reverse cone can end at bone level or slightly above it. The surface is sandblasted and acid etched in a high-temperature process.



a) enossal Ø: 4.5 - 5.5 mm  
b) enossal length: 6 - 8 mm  
c) reverse cone: 2 mm

Description	enossal Ø	enossal length	Code	REF	Price cat.
HC2 4.5 6+2	4.5 mm	6-8 mm	<b>HC2 4.5 6+2</b>	<b>13-413217</b>	<b>G</b>
HC2 5.5 6+2	5.5 mm	6-8 mm	<b>HC2 5.5 6+2</b>	<b>13-413218</b>	<b>G</b>

**HC2 4.5 6+2 and 5.5 6+2 implants will be converted from Dualhex to Hex.**  
**HC2 6+2 can be countersunked in the bone.**

## No-Itis® The innovative implant surface

Implants with the new No-Itis®-surface are double-sandblasted and then etched under heat. As final step an electro-chemical staining will be applied and this last step of the surface preparation smoothens small wells (up to around 5 Micrometers) in the surface. Smooth implants (e.g. systems BCS, BOI) receive the final surface treatment without any prior sandblasting or etching.

This surface, which is new in dental implantology, is extremely clean and keeps bacteria off the the implant. This surface has been proven successful in traumatology for a long time. The reduction of roughness on the surface helps preventing peri-implantitis.

During the insertion of the implants the smoother surface reduces heat and thereby less torques is necessary and less heat develops. All other parameters like the drilling sequence etc. remain unchanged.

## SURGICAL ACCESSORIES







Each implant is supplied with this surgical screw (**CSTI** - REF 418101).

Description		Code	REF	Price cat.
Gingivaformer	for 3 mm mucous membrane height	<b>HSI 3</b>	<b>13-418111</b>	<b>B</b>
	for 5 mm mucous membrane height	<b>HSI 5</b>	<b>13-418112</b>	<b>B</b>
Wide gingivaformer	for 3 mm mucous membrane height	<b>HSIW 3</b>	<b>13-418191</b>	<b>B</b>
	for 5 mm mucous membrane height	<b>HSIW 5</b>	<b>13-418192</b>	<b>B</b>
Anatomic gingivaformer	3 mm height, 4.5 mm width	<b>HSI 3-4.5</b>	<b>13-418268</b>	<b>B</b>
	3 mm height, 5.5 mm width	<b>HSI 3-5.5</b>	<b>13-418269</b>	<b>B</b>
	5 mm height, 6.7 mm width	<b>HSI 5-6.7</b>	<b>13-418270</b>	<b>B</b>
Gingivaformer	3 mm height, 3.3 mm width	<b>HSIS 3-3.3</b>	<b>13-418277</b>	<b>B</b>
Gingivaformer MU	for HC MU	<b>GF MU</b>	<b>13-418302</b>	<b>B</b>

**Application limitations:** HC2 2.9 mm implants may not be placed in a heavily loaded area, especially not in the molar area. Likewise these implants may not be used where diagonal loading occurs, i.e. not for upper anteriors. Under no circumstances may HC2 2.9 mm implants be used for work that involves unsupported occlusal surfaces (consoles). If used in immediate load protocols, the prosthetic construction must be inserted on the 2nd postoperative day, and it should not be removed within the first 6 months.

## ABUTMENTS FOR CEMENTED PROSTHETICS

Screw	Description	Code	REF	Price cat.
	Screwable abutment without anti-rotation protection for cemented bridges. Trimmable down and abradable is possible. Height above implant 8.5 mm, screw in with <b>HT 1.25</b> Hex key. The impression is made directly on the TCA, with tool TZ HC.	<b>TCA</b>	<b>13-418129</b>	<b>B</b>
	Screwable abutment without anti-rotation protection for cemented bridges. Trimmable down and abradable is possible. Screw in with <b>HT 1.25</b> Hex key. The impression is made directly on the TCA.	<b>TCA W</b>	<b>13-418173</b>	<b>B</b>
	Superstructure with hex and screw, straight, for cemented bridges. Can be shortened and trimmed. Height above implant 8.5 mm. Fasten with <b>HT 1.25</b> . Abutment narrow to HC 2.9 Fasten with <b>HT 1.25</b> .	<b>TLA HC</b>	<b>13-418133</b>	<b>D</b>
	Abutment TLA HC 2 (GH)	<b>TLAS</b>	<b>13-418134</b>	<b>D</b>
	Abutment TLA HC 2 (GH)	<b>TLA HC2</b>	<b>13-418170</b>	<b>D</b>
	Abutment TLA HC 4 (GH)	<b>TLA HC4</b>	<b>13-418171</b>	<b>D</b>
	Abutment TLA W	<b>TLA W</b>	<b>13-418193</b>	<b>D</b>
	TLA, 15° angled, 1 mm gingival height (GH), including screw	<b>TLA 15 HC1</b>	<b>13-418135</b>	<b>F</b>
	TLA, 15° angled, 2 mm gingival height (GH), including screw	<b>TLA 15 HC2</b>	<b>13-418136</b>	<b>F</b>
	TLA, 15° angled, 3 mm gingival height (GH), including screw	<b>TLA 15 HC3</b>	<b>13-418137</b>	<b>F</b>
	TLA, 25° angled, 1 mm gingival height (GH), including screw	<b>TLA 25 HC1</b>	<b>13-418139</b>	<b>F</b>
	TLA, 25° angled, 2 mm gingival height (GH), including screw	<b>TLA 25 HC2</b>	<b>13-418140</b>	<b>F</b>
	TLA, 25° angled, 3 mm gingival height (GH), including screw	<b>TLA 25 HC3</b>	<b>13-418141</b>	<b>F</b>
	Anatomic Abutment	<b>ANAB</b>	<b>13-418276</b>	<b>E</b>





Recommended insertion torque: 20 Ncm

Impression taking and laboratory accessories									
Code	TSL HC	TS HC	HLT	HLTC	SF HLT long	IA HC / IA 12 HC 2	IA HC M / IA 12 M HC 2	PA HC	PATLA HC
REF	13-418110	13-418109	13-418108	13-418107	13-418185	13-418113/13-418177**	13-418115/13-418178**	13-418181	13-418172
	Impression post for HC. Hight: 15.5 mm	Impression post for HC, Hight: 10.6 mm	Impression post for TLA, TLA 15, TLA 25	Transfer post. Suitable for 6-edge and 12-edge. Click on.	Pickup-screw for 418108/HLT impression post	418113 = Implant analogue for Hex 418177 = for Dual Hex	Implant analogue with 5 sleeves, intern. Hex	Castable abutment for TCA, TLA	Castable abutment for TLA HC2/4
Price cat.	C	C	C	C	B	B	C	A	A

## TEMPORARY CAP

Description	Code	REF	Price cat.
Temporary cap, for TCA W HC, TLA W HC	<b>TPB W</b>	<b>13-418194</b>	<b>A</b>

## HC SET 1

Impression taking and laboratory accessories								
								
Code/REF	TLA HC	REF 13-418133	TZ HC	REF 13-418179	PA HC	REF 13-418181	IA 12	REF 13-418177**
	Straight abutment		Impression utility		Castable cap		Implant analogue with 12-edge	
REF 13-418182 for the complete SET								
Price category for the SET				F				

\*\* Note: For the HC2-implant with 12-edge, the implant analogue IA12 (REF 13-418177) or IA12 M (REF 13-418178) is used.

## ABUTMENTS FOR SCREW-IN PROSTHETICS



Description	Code	REF	Price cat.
Screwable abutments for bridges and bars, deliverable for mucogingival levels of 3, 4, 5, 6 mm. Screw in with <b>HT 1.77</b> .	<b>TSA 3</b>	<b>13-418143</b>	<b>B</b>
	<b>TSA 4</b>	<b>13-418144</b>	<b>B</b>
	<b>TSA 5</b>	<b>13-418145</b>	<b>B</b>
	<b>TSA 6</b>	<b>13-418146</b>	<b>B</b>

### Impression taking and laboratory accessories

<b>Code REF</b> <b>TS</b> <b>13-418142</b> Impression post	<b>Code REF</b> <b>BTS</b> <b>13-418152</b> TSA-analogue	<b>Code REF</b> <b>PSS (white)</b> Castable abutment, 10.5 mm high 5 per pack	<b>Code REF</b> <b>SF</b> <b>13-418151</b> Fastening screw for PSS on BTS/TSA
<b>Price cat.</b> B	B	B	B



Description	Code	REF	Price cat.
Screwable mesostructure for bridges and bars, screw in with <b>HT 1.77</b> hex key. For mucogingival levels of 0.5 mm, 1.5 mm and 2.5 mm.	<b>TCT HC 0.5</b>	<b>13-418130</b>	<b>B</b>
	<b>TCT HC 1.5</b>	<b>13-418131</b>	<b>B</b>
	<b>TCT HC 2.5</b>	<b>13-418132</b>	<b>B</b>

Recommended insertion torque: 20 Ncm

### Impression taking and laboratory accessories

<b>Code REF</b> <b>TST</b> <b>13-418147</b> Transfer post	<b>Code REF</b> <b>SFL</b> Long screw	<b>Code REF</b> <b>BTT</b> <b>13-418100</b> TCT-analogue	<b>Code REF</b> <b>PSTR (grey)</b> <b>13-418124</b> (pack of 5) Castable abutment, 12 mm high, round inside	<b>Code REF</b> <b>PSTA</b> <b>13-418123</b> (pack of 5) Castable abutment, 12 mm high, edged inside	<b>Code REF</b> <b>SF</b> <b>13-418151</b> Fastening screw
<b>Price cat.</b> B	A	B	B	B	B

In this approach the position of the TCT hex is assigned.

## TCT-SET



Description	Code	REF	Price cat.
Screw for PSTA	SF TCTL		<b>A</b>
Castable abutment, 12 mm high, edged inside	PSTA		<b>B</b>
Screw-on mesio structure for bridges and bases	TCTL 0.5	<b>13-418138</b>	<b>D</b>
TCT Set (TCTL 0.5, PSTA, SF TCTL)		<b>13-418263</b>	<b>F</b>

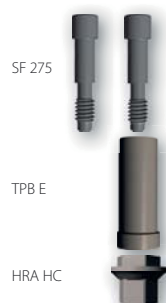
### Impression taking and laboratory accessories

<b>Code REF</b> <b>IA HC / IA 12 HC 2</b> <b>13-418113 / 13-418177**</b> Implant analogue for HC2 <sup>®</sup> IA HC = 6 -edges, IA 12 HC = 12-edges	<b>Code REF</b> <b>HLT</b> <b>13-418108</b> Transfer post for HC and HC 2, with Hex.	<b>Code REF</b> <b>PSTR</b> <b>13-418124 (5 pieces)</b> Alternative: Castable abutment, round inside 12 mm high
<b>Price cat.</b> B	C	B

**\*\* Note: For the HC2-implant with 12-edge, the implant analogue IA12 (REF 13-418177) or IA12 M (REF 13-418178) is used.**

## ABUTMENTS FOR REMOVABLE PROSTHETICS

### ABUTMENTS



Description	Material	Code	REF	Price cat.
HEX-reverse-abutment, incl. screw SF 275 (REF 418275)	Ti6Al4V	HRA HC	13-418273	D
Tempbase for HRA HC		TPB E	13-418274	C

This abutment turns the internal hexagon of the HC2-implant into an external standard-hexagon. The prosthetic screw is screwed through. It tightens the prosthetic and the abutment at the same time.

### CASTABLE ABUTMENTS



Description	Code	REF	Price cat.
Castable abutments with hex, incl. metal basis (Ti6Al4V) and screw for crown 10 mm high, white (not for casting-on)	PLAB	13-418120	B
Castable abutments with hex, incl. metal basis (CoCrMo) and screw for crown 10 mm high, white (for direct casting-on)	PLAB 2	13-418183	G
Castable abutment including screw for bridges (UCLA technique) 10 mm, red	PLA	13-418158	B

Recommended insertion torque: 20 Ncm

#### Impression taking and laboratory accessories



**Code** HLT  
**REF** 13-418108  
Transfer post for HC and HC 2, with Hex.  
**Preiskat.** C



**Code** HLTC  
**REF** 13-418107  
Transfer post for snapping onto the HC2 implant. Suitable for 6-edge and 12-edge. Click on.  
**Preiskat.** C



**Code** SF HLT long  
**REF** 13-418185  
Pickup-screw for 418108 / HLT impression post  
**Preiskat.** B



**Code** IA HC / IA 12 HC 2  
**REF** 13-418113 / 13-418177\*\*  
Implant analogue for HC2®  
IA HC = 6-edges  
IA 12 HC = 12-edges  
**Preiskat.** B

**\*\* Note:** For the HC2-implant with 12-edge, the implant analogue IA12 (REF 13-418177) or IA12 M (REF 13-418178) is used.

### LOCALICER®



Description	Code	REF	Price cat.
Localicer® for HC2 height 2 mm	LOC HC 2	13-418116	C
Localicer® for HC2 height 4 mm	LOC HC 4	13-418117	C

Adequate tool: HT 1.77. We recommend to use minimally 6 implants per jaw and to use a single denture as splinting.

### ACCESSORIES FOR LOCALICER®

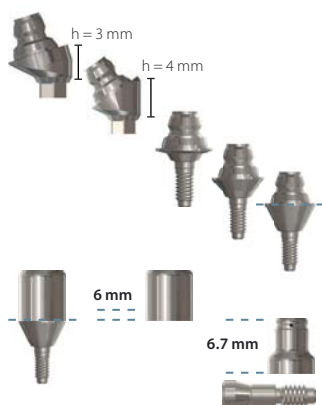


Description	Code	REF	Price cat.
instrument for mounting and de-mounting Localicer Caps	LOC Tool	13-462335	C
Analog + impression cap set	AA LOC	13-462337	C
Set with 4 nylon caps + 1 housing	NCS	13-462338	D
Set of two, yellow, with increased friction strength	R-Cap	13-462336	B

Pull-off force: \*black 125 g, red 350 g, blue 500 g, pink 1000 g // \*Black cap is for temporary solutions up to one month.

# ABUTMENTS FOR REMOVABLE PROSTHETICS AND ACCESSORIES

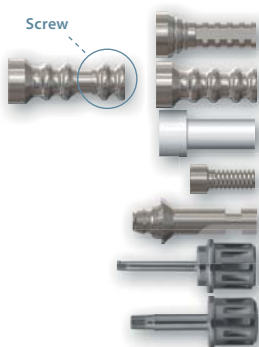
## MULTI - UNIT ABUTMENTS



Description	Code	REF	Price cat.
MU2 17 HC, angled, Ti6Al4V, incl. SF 20	MU2 17 HC	13-418281	L
MU2 35 HC, angled, Ti6Al4V, incl. SF 20	MU2 35 HC	13-418282	L
MU2S 0.5 HC, straight, Ti6Al4V	MU2S 0.5 HC	13-418283	G
MU2S 1.5 HC, straight, Ti6Al4V	MU2S 1.5 HC	13-418284	G
MU2S 2.5 HC, straight, Ti6Al4V	MU2S 2.5 HC	13-418285	G
GF MU2 gingivaformer, Ti6Al4V. Incl. SF MU2 H above abutment shoulder 6 mm		13-418286	C
MU2 localicer, Ti6Al4V. Incl. SF MU2 Hight above abutment shoulder 6.7 mm		13-418287	C
Prosthetic screw for MU2	SF 20	13-420943	A

Insertion of the angled MU2-abutments with HT 1.25 // Insertion of the straight MU2S-abutments with HT 1.77

## ACCESSORIES FOR MULTI - UNIT ABUTMENTS



Description	Code	REF	Price cat.
Temporary base, Ti6Al4V (SF MU2 has to be ordered separately)	TC MU2	13-418290	D
Transfer straight, Ti6Al4V, incl. screw SFL MU2	TS MU2	13-418291	C
Castable for multiunit, incl. screw	PA MU2	13-418292	A
Screw for TC MU, Ti6Al4V	SF MU2	13-418293	A
Lab analogue for multiunit, Ti6Al4V	IA MU2	13-418295	B
Hex-instrument, long	HT 1.25	13-425100	C
Hex-instrument, long	HT 1.77	13-425103	C

## ACCESSORIES



Description	Code	REF	Price cat.
Ball abutments for fitting prostheses, head diameter 2.5 mm, for fitting to TSA 3 - 6 abutments, <b>application on TSA 3 - 6 abutments</b>	SB	13-418153	B

### Impression taking and laboratory accessories

	TSA 3 to 6	TS	BTS	Nylon cap NC			Nylon cap R-NC with increased friction strength (for usage with worn-out Localicer)			for poly- merization directly into the denture
Code				NC	NC 1	NC 2	R-NC	R-NC 1	R-NC 2	H
REF	13-418143 / -46	13-418142	13-418152	13-465028	13-465029	13-465030	13-465034	13-465033	13-465032	13-465031
	Hight above implant 3-6 mm	Impression post for TSA and TCA	TSA- analogue	ca. 1200 g white	ca. 800 g pink	ca. 500 g yellow	green, strong	pink, medium	orange, soft	Metal sleeve for all NC
Price cat.	B	B	B	A	A	A	A	A	A	B












Description	Hight h	Code	REF	Price cat.
Ball abutment, head - Ø 2.5mm	0.5 mm	TB 0.5	13-418126	B
Use with HT 1.25	2.0 mm	TB 2	13-418127	B
Use with HT 1.25	4.0 mm	TB 4	13-418128	B

## REVERSE CONE CYLINDER



Description	Code	REF	Price cat.
Bur cylinder, rverse, 20°. Incl. screw SF 20	FZ 20 HC	13-418262	D

## INSERTION TOOLS

	Description	Type	Code	REF	Price cat.
	IT 2.5	Short, 8 mm, click-on, 6-edges	IT 2.5	13-418174	B
	ITL 2.5	Long, 22 mm, click-on, 6-edges	ITL 2.5	13-418175	B
	ITM 2.5	Medium, 20 mm, click-on, 6-edges	ITM 2.5	13-418176	B
	IT 2.5 M	Insertion tool for contra-angle handp.	IT 2.5 M	13-418150	B
	IT 2.5 M 12	Insertion tool contra-angle, 12-edges Insertion torque with max. 40 Ncm	IT 2.5 M 12	13-418200	B
	ITWH 2.5 M	Insertion tool contra-angle for HC	ITWH 2.5 M	13-418184	C
	IT1 12	Insertion tool short, 12-edges	IT1 12	13-418197	B
	IT2 12	Insertion tool long, 12-edges	IT2 12	13-418198	B
	IT3 12	Insertion tool medium, 12-edges	IT3 12	13-418199	B

## HEATLESS® - DRILL DFN / DFLN FOR IMPLANTS WITH CONICAL CORE






	Ø working range	Max. working depth	Total length	Color	Code	REF	Price cat.
	0.1 mm - 1.5 mm	15 mm	31.7 mm	yellow	BCD 1	13-900240	C
	0.1 mm - 1.5 mm	15 mm	42 mm	yellow	BCDX 1	13-900243	C
	2.0 mm / 3.6 mm	13 mm	30 mm		DFN 2.9 13	13-418102	E
	2.0 mm / 3.6 mm	15 mm	32 mm		DFN 2.9 15	13-418103	E
	2.0 mm	17 mm	36.5 mm		DS 2	13-425001	D
	2.8 mm	17 mm	36.5 mm		DS 2.8	13-425005	D
	2.7 mm	18 mm	36 mm		DFN 3.0	13-425030	E
	3.0 mm	18 mm	36 mm		DFN 3.4	13-425031	E
	3.4 mm	18 mm	36 mm		DFN 3.7	13-425032	E
	4.05 mm	18 mm	36 mm		DFN 4.2 - 4.5	13-425033	E
	4.4 mm	18 mm	36 mm		DFN 5.5	13-425034	E
	2.7 mm	18 mm	39 mm		DFLN 3.0	13-425035	E
	3.0 mm	18 mm	39 mm		DFLN 3.4	13-425036	E
	3.4 mm	18 mm	39 mm		DFLN 3.7	13-425037	E
	4.05 mm	18 mm	39 mm		DFLN 4.2 - 4.5	13-425038	E
	3.4 mm	11.5 mm	30 mm		DFSN 3.7	13-425039	D
	3.9 mm	11.5 mm	30 mm		DFSN 4.2 - 4.5	13-425040	D
	max. 3.4 mm	5 mm	27 mm		C Drill 3.7	13-425043	D
	max. 4.05 mm	5 mm	27 mm		C Drill 4.2 - 4.5	13-425044	D
	max. 5.8 mm	5 mm	27 mm		C Drill 5.5	13-425045	D

★ It has been scientifically proven that HEATLESS® drills generate 55% less heat than traditional bone drills from other manufacturers. This makes it possible to use higher rotational speeds: between 3,000 and 5,000 rpm are recommended with good external cooling and intermittent drill technique.

★★ Namely for the implant system HC2

## TITAN BASE

	Description	Type	Material	Code	REF	Price cat.
	Titan base incl. screw	Abutment base for zirkonium	Ti6Al4V	MB HC	13-418267	D
	Titan base incl. screw		Ti6Al4V	MBR HC	13-418272	D
	Base for TPB 3 HC incl. screw SF 20	For scanner to HC implants	BioPEEK®	TPB 3 HC	13-418280	B

TOOLS

	Description	Type	Length	Code	REF	Price cat.
	Hex-Tool 1.25	long	21 mm	<b>HT 1.25</b>	<b>13-425100</b>	<b>C</b>
	Torx-Tool 1.25	long	21 mm	<b>TT 1.25</b>	<b>13-425105</b>	<b>C</b>
	Hex-Tool for contra-angle, extra-long		45 mm	<b>HTW 1.25</b>	<b>13-425111</b>	<b>B</b>
	Hex-Tool 1.25	kurz	14 mm	<b>HTS 1.25</b>	<b>13-425101</b>	<b>C</b>
	Hex-Tool 1.77	for all suprastructures	19 mm	<b>HT 1.77</b>	<b>13-425103</b>	<b>C</b>
	Hex-Tool 1.25 M for contra-angle, long		26.1 mm	<b>HT 1.25 M</b>	<b>13-425112</b>	<b>B</b>
	Hex-Tool 1.77 M for contra-angle, long		28.6 mm	<b>HT 1.77 M</b>	<b>13-425113</b>	<b>B</b>
	Hex-Tool, extra-long		45 mm	<b>HTX 1.25</b>	<b>13-425102</b>	<b>C</b>
	Hex-Tool for contra-angle, extra-long		45 mm	<b>HTX 1.77</b>	<b>13-425104</b>	<b>C</b>
	Punch, 4.9 mm Ø	for contra-angle		<b>PUW 1</b>	<b>13-425404</b>	<b>C</b>
	Punch, 3.9 mm Ø	for contra-angle		<b>PUW 2</b>	<b>13-425405</b>	<b>C</b>
	Punch, 5.2 mm Ø	manual		<b>PU</b>	<b>13-425406</b>	<b>C</b>
	standardized probe	Scale 1 mm for X-ray measurements	22 mm	<b>PDG</b>	<b>13-425400</b>	<b>A</b>
	DX2	Drill extension contra angle handpiece, extends by 19 mm		<b>DX2</b>	<b>13-500704</b>	<b>D</b>
	DX2 H	Drill extension contra angle handpiece, extends by 19 mm, W&H-hexagon on shank and in front section		<b>DX2 H</b>	<b>13-500708</b>	<b>D</b>
	Guide sleeve	Titanium, for pilot drill, 5 pieces / unit	10 mm	<b>BFH</b>	<b>13-425401</b>	<b>A</b>
	X-ray measuring sphere	Surgical steel 5 pieces / unit, 0.5 mm Ø		<b>RM</b>	<b>13-425403</b>	<b>A</b>
	Adapter for handgrip			<b>Adapter IT HC</b>	<b>13-418196</b>	<b>C</b>
	Handgrip, self-locking **				<b>13-311431</b>	<b>V</b>
	Handgrip for adapter, screwable				<b>13-311430</b>	<b>V</b>
	Adapter for all contra angle handpiece instruments, compatible to handle		110 mm		<b>13-310530</b>	<b>C</b>
	Ratchet	For all Hex-instruments and applicators		<b>RAT 2</b>	<b>13-425051</b>	<b>K</b>
	Ratchet	Angled, for all Hex-instruments and applicators		<b>RAT 3</b>	<b>13-425052</b>	<b>S</b>
	TW 2 *	Torque Wrench (heavy duty), 10 - 70 Ncm		<b>TW 2</b>	<b>13-425402</b>	<b>S</b>
	UAW***	Universal ratchet adapter for all contra angle handpiece instruments, for TW2 and RAT2. Max. 30 Ncm		<b>UAW</b>	<b>13-425107</b>	<b>E</b>

\* It is recommended to have the torque ratchets recalibrated by us once a year.

\*\* for cleaning this instrument an ultrasonic cleaning device and a thermo-desinfector (i.e. Miele TD-series) are required. If these devices are not available in the dental office the handle with **REF311430** should be purchased instead.

\*\*\* Do not use **UAW** in combination with **RAT2** with Heatless® bone drills. The maximum insertion torque for **UAW** and Heatless® bone drills is 35 Ncm. **UAW** may therefore be used only with **TW2**.

**HANDGRIP-TRAY** (empty)

REF 13-60043

EUR 69,90

Size of closed tray: B = 90 mm / L = 195 mm / H = 45 mm

For safe storage and sterilisation of handgrips (max. 3 pieces) and adapters (max. 8 pieces). Plastic, autoclavable up to 134°C, not suitable for dry heat sterilizers.





## HC2 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 HC2 system.  
Material: autoclavable plastic

Description	Code	REF	Price €
Insertion tool	IT 2.5	13-418174	
Insertion tool	ITL 2.5	13-418175	
Insertion tool for contra angle handpiece	IT 2.5M	13-418150	
Hex-instrument, long	HT 1.25	13-425100	
Spiraldrill	DS 2	13-425001	
Formdrill	DFN 3.0	13-425030	
Formdrill	DFN 3.4	13-425031	
Formdrill	DFN 3.7	13-425032	
Formdrill	DFN 4.2 - 4.5	13-425033	
Corticalis drill 3.7	C Drill 3.7	13-425043	
Torque wrench	TW2	13-425402	
<b>Starter-Tray for HC2 (with content)*</b>		<b>13-S60021-K</b>	<b>678,80</b>

\* tray without content upon request

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PLEASE CHECK THE VALID PRICE LIST OF YOUR LOCAL COORDINATOR

### 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 35 °C	Store tightly keep closed	Do not use if packing is damaged	Do not resterilize	Manufacturer	Production date

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

Due to technical reasons the product dimensions shown in this brochure might deviate from reality. HC2 is a registered trademark.

HC2 implants are patent-protected.

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