

Product Catalog

Combining the successful features in implantology



your comfort is our goal!

Implants	
Instruments	
Prosthetic components	
Digital/ CAD/CAM	
Additional products	

Dutch quality is a choice



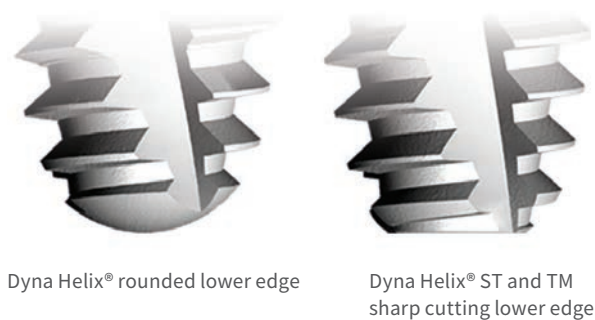
Index

1 System	6
3 Designs	7
Dyna Helix® DC Implant	8
Dyna Helix® ST Implant	10
Dyna Helix® TM Implant	12
Dyna Helix® Implant packaging	14
1 Conical abutment connection	17
Dyna Helix all-fit-all abutments	18
1 Instrument cassette	20
Instruments	21
Instrument set variations	22
Surgical instruments	25
Prosthetic instruments	30
Healing phase	33
Impression taking	34

Overdenture solutions	37
Instant Adjusting Bar®	41
Dyna Magnet System	44
Dyna WR magnet	44
Dyna System	45
Multi - Unit	46
Fixed prosthetic solutions	49
Custom-made devices with CadCam	53
Digital printing and processing	56
Implaclean	60
Distribution articles	62
Service	63
Guarantee	63
Caring for the patient	63

1 System

- Root shaped with straight self tapping thread
- High primary stability in all bone qualities
- Early or immediate loading option
- Platform switching
- ART roughened titanium surface



Root-shaped with straight self-tapping thread

The Dyna Helix® implants are cylindrical screw-type implants based on a root-shaped core and a straight self-tapping thread. The special thread design results in a combination of forces that provide mechanical fixation and load distribution. This contributes to the primary stability of the implant.

High primary stability in all bone qualities

The Dyna Helix® Implant System offers the option for use in either one- or two-stage surgery. Excellent primary stability in all bone qualities is achieved through its design characteristics. It can also be used in early or immediate loading indications.

Platform switching

The bone-level implants feature the platform switching concept. Insertion is performed without a mounting device using a special octa driver.

ART roughened titanium surface

To achieve the best mechanical and biological properties in combination with optimal surface treatment characteristics, Dyna Helix® implants are made from medical-grade Titanium Grade 5 ELI¹²³⁴.

Statistical analysis of the available research literature supports evidence showing that the bone-implant interface depends on surface roughness⁵. A specific surface topography with an Ra value between 1.0 and 1.5 μm provides an optimal surface for bone integration⁶.

Research shows that the best results are achieved with a micro/macro roughness with an Ra value between 1.0 and 1.5. Dyna Helix® ART implants meet the above-mentioned characteristics by having an Ra value between 1.0 and 1.4. These characteristics are achieved by means of a blasting process with different-sized HA particles. An acid-etched washing process ensures a clean surface with optimal morphology.

3 Designs

For each indication a solution

Dyna Helix® DC

Dyna Helix® ST

Dyna Helix® TM

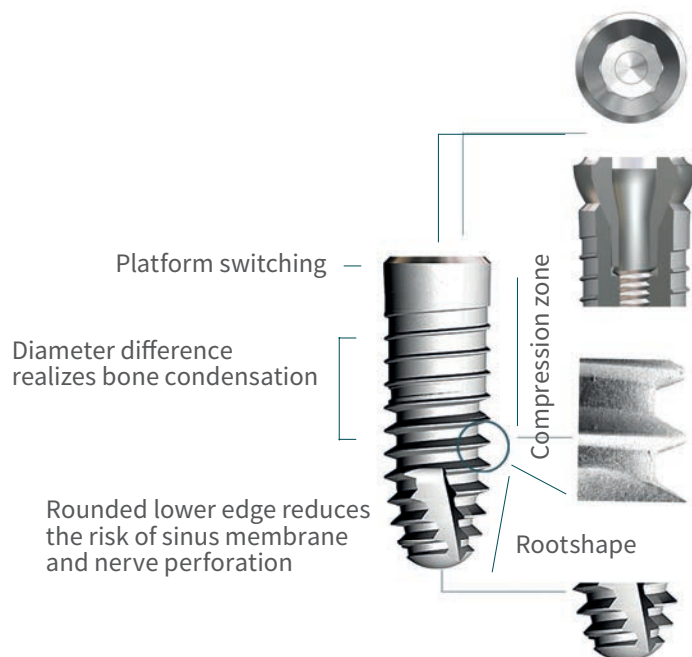


- 1 Duchna HW, Nowack U, Merget R, Muhr G, Schultze-Werninghaus G. Prospective study of the significance of contact sensitization caused by metal implants. Zentralbl Chir. 1998; 123:1271
- 2 Niki Y, Matsumoto H, Otani T, Yatabe T, Kondo M, Yoshimine F, Toyama Y. Screening for symptomatic metal sensitivity: a prospective study of 92 patients undergoing total knee arthroplasty. Biomaterials 2005; 26/9: 1019.
- 3 ASTM F136-02a Standard Specification for Wrought Titanium-6 Aluminum-4 Vanadium ELI (Extra Low Interstitial) Alloy for Surgical Implant Applications (UNS R56401)
- 4 ASTM F620-00 Standard Specification for Alpha Plus Beta Titanium Alloy Forgings for Surgical Implants.
- 5 M.M. Shalabi, A. Gortemaker, M.A. Van't Hof, J.A. Jansen, and N.H.J. Creugers Implant Surface Roughness and Bone Healing: a Systematic Review. J Dent Res 85(6) 2006
- 6 Wennerberg A, Albrektson T. Suggested guidelines for the topographic evaluation of implant surfaces. Int J Oral Maxillofac Implants 15:331-344, 2000

Dyna Helix® DC Implant

A two phase bone level implant with one phase surgical option

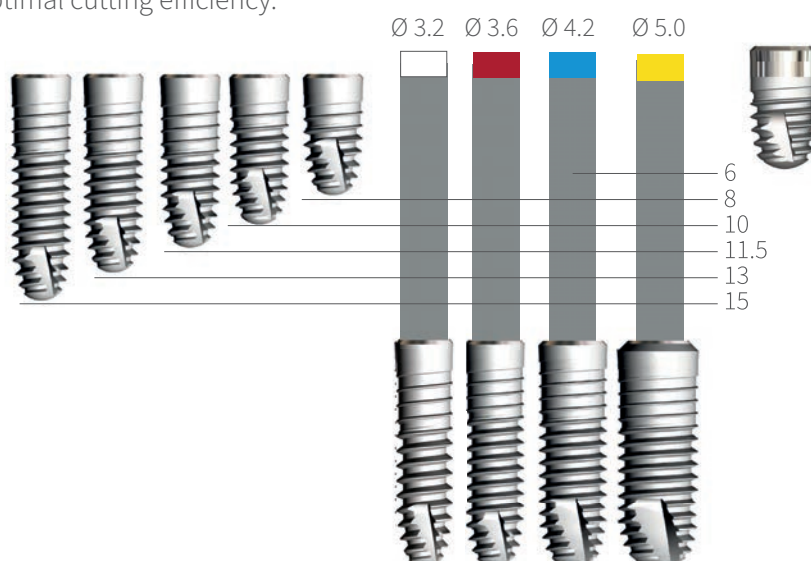
- Ideally suited for in the maxilla type III and IV bone
- Thread and dual core
- Compression zone
- Internal sinus lift - diameter difference realizes bone condensation
- Rounded lower edge for preventing sinus membrane and nerve perforation



The design

The Dyna Helix® DC implant is a tripartite cylindrical screw designed to provide secure mechanical fixation and optimal load distribution in all clinical situations. It is a two-stage, screw-type implant that can also be used in one-stage surgery, provided that the criteria for one-stage procedures are met. It achieves exceptional primary stability in Class IV bone, while in Class I dense cortical bone ensures safe and atraumatic insertion. The Dyna Helix® DC implant features a root-form Dual Core with a self-tapping thread.

The implant core allows for bone condensation during insertion, supporting primary stability in all bone types and stimulating the healing process. The rounded lower edge of the implant makes placement above nerve structures more secure and facilitates easy, atraumatic closed sinus lift procedures. The implant thread is designed so that the outer diameter remains constant throughout, providing optimal cutting efficiency.



The use of cortical reaming and pre-tapping tools is necessary, especially when working in cortical bone, where there is a risk of overheating or generating excessive stress in the surrounding bone.

Based on modern principles aimed at preventing bone resorption, the implants are fully treated using the ART surface. The biological width principle is maintained through the V-shaped abutment connection, known as platform switching. A machined, polished collar of only two-tenths of a millimeter provides a smooth transition to the abutment. The availability of multiple implant diameters and an all-fit-all abutment system provides an ideal combination of simplicity and reliability.

All implants are delivered with a closing screw (art. 83600 for Ø 3.2 / 3.6 and art. 84000 for Ø 4.2 / 5.0) in sterile, single-use packaging cover.

Dyna Helix® DC

■ Dyna Helix® DC Ø 3.2



	Length	Art. no.
Dyna Helix® DC (Dual Core)	8	43208DC
Dyna Helix® DC (Dual Core)	10	43210DC
Dyna Helix® DC (Dual Core)	11,5	43211DC
Dyna Helix® DC (Dual Core)	13	43213DC
Dyna Helix® DC (Dual Core)	15	43215DC

■ Dyna Helix® DC Ø 3.6



Dyna Helix® DC (Dual Core)	8	43608DC
Dyna Helix® DC (Dual Core)	10	43610DC
Dyna Helix® DC (Dual Core)	11,5	43611DC
Dyna Helix® DC (Dual Core)	13	43613DC
Dyna Helix® DC (Dual Core)	15	43615DC

■ Dyna Helix® DC Ø 4,2



Dyna Helix® DC (Dual Core)	6	44206DC
Dyna Helix® DC (Dual Core)	8	44208DC
Dyna Helix® DC (Dual Core)	10	44210DC
Dyna Helix® DC (Dual Core)	11,5	44211DC
Dyna Helix® DC (Dual Core)	13	44213DC
Dyna Helix® DC (Dual Core)	15	44215DC

■ Dyna Helix® DC Ø 5,0

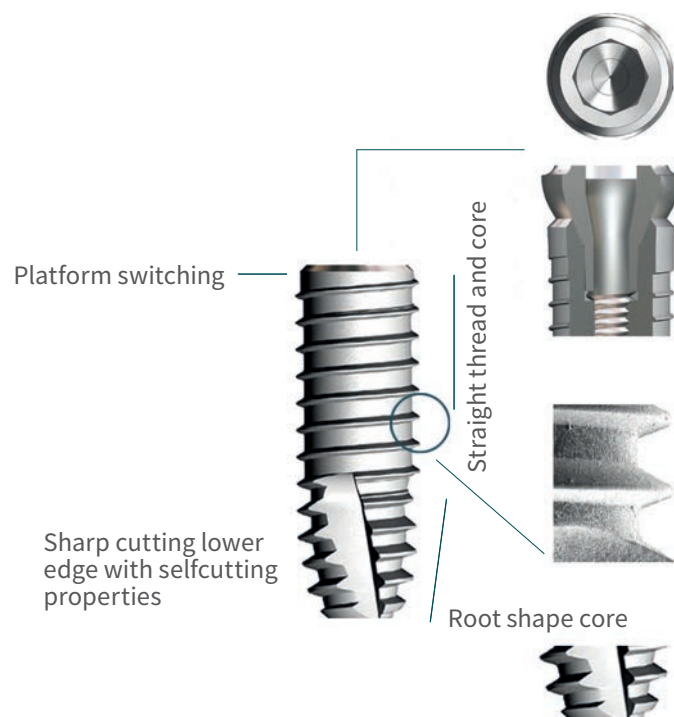


Dyna Helix® DC (Dual Core)	8	45008DC
Dyna Helix® DC (Dual Core)	10	45010DC
Dyna Helix® DC (Dual Core)	11,5	45011DC
Dyna Helix® DC (Dual Core)	13	45013DC
Dyna Helix® DC (Dual Core)	15	45015DC

Dyna Helix® ST Implant

A two phase bone level implant with one phase surgical option

- Ideally suited for in the mandible type I and II bone
- No compression zone
- Straight thread and core
- Sharp cutting lower edge to make selfcutting properties ideal
- All-fit-all abutment system

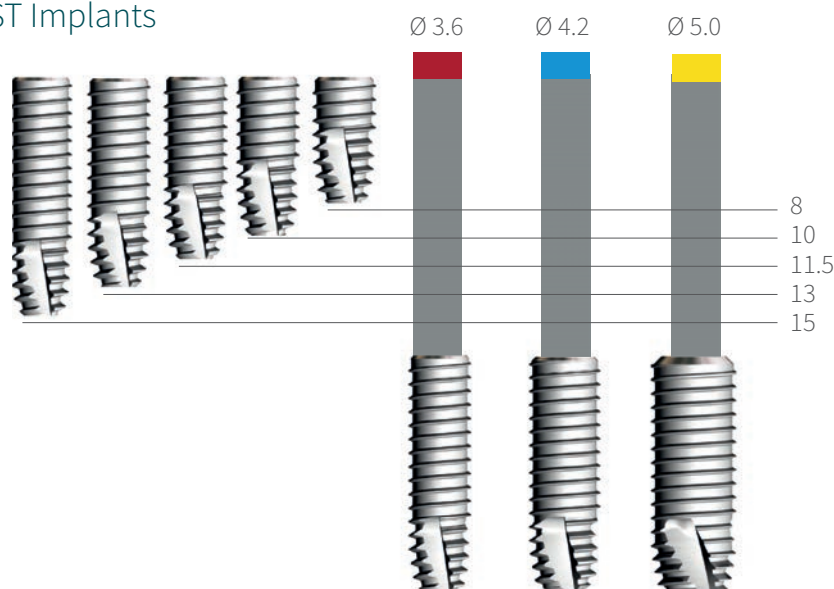


The Design

The Dyna Helix® ST implant is a dual cylindrical screw designed to provide secure mechanical fixation and load distribution in most clinical situations. It is a two-stage, screw-type implant that can also be used in one-stage surgery, provided that the criteria for one-stage procedures are met. It achieves sufficient primary stability and guarantees safe and atraumatic insertion. The Dyna Helix® ST implant is based on a root-form core with a self-tapping thread extending up to the neck of the implant.

Because of the sharp, self-tapping lower edge of the implant, positioning in height during insertion is easier to control. Pre-tapping is necessary, especially when working in cortical bone, where there is a risk of overheating or generating excessive stress in the surrounding bone.

Dyna Helix® ST Implants



The absence of a compression zone at the upper part of the implant facilitates surgery in type I or II bone (as defined by Lekholm and Zarb). Based on modern principles to prevent bone resorption, all implants are treated with the ART surface.

The biological width principle is maintained through the V-shaped abutment connection, known as platform switching. To enhance soft tissue attachment, this section is acid-etched. A machined, polished collar of only two-tenths of a millimeter ensures a smooth transition to the abutment. Multiple implant diameters and an all-fit-all abutment system provide an ideal combination of simplicity and reliability.

All implants are delivered with a closing screw (art. 83600 for Ø 3.6 / 4.2 and art. 84000 for Ø 5.0) in sterile, single-use packaging cover.

Dyna Helix® ST

■ Dyna Helix® ST Ø 3,6		Length	Art. no.
	Dyna Helix® ST (Straight)	8	43608ST
	Dyna Helix® ST (Straight)	10	43610ST
	Dyna Helix® ST (Straight)	11,5	43611ST
	Dyna Helix® ST (Straight)	13	43613ST
	Dyna Helix® ST (Straight)	15	43615ST

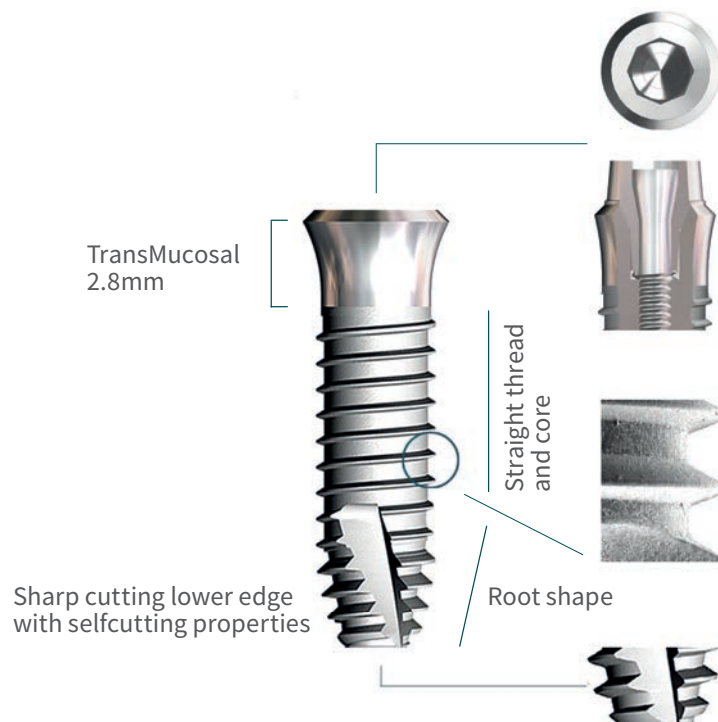
■ Dyna Helix® ST Ø 4,2			
	Dyna Helix® ST (Straight)	8	44208ST
	Dyna Helix® ST (Straight)	10	44210ST
	Dyna Helix® ST (Straight)	11,5	44211ST
	Dyna Helix® ST (Straight)	13	44213ST
	Dyna Helix® ST (Straight)	15	44215ST

■ Dyna Helix® ST Ø 5,0			
	Dyna Helix® ST (Straight)	8	45008ST
	Dyna Helix® ST (Straight)	10	45010ST
	Dyna Helix® ST (Straight)	11,5	45011ST
	Dyna Helix® ST (Straight)	13	45013ST
	Dyna Helix® ST (Straight)	15	45015ST

Dyna Helix[®] TM Implant

A TransMucosal implant for all oral endosteal implant indications for the functional rehabilitation of edentulous and partially dentate patients.

- Suitable for one phase surgery
- Ideal for overdentures
- Tread up to the collar
- No compression zone
- Straight thread and core
- Sharp cutting lower edge to make selfcutting properties ideal

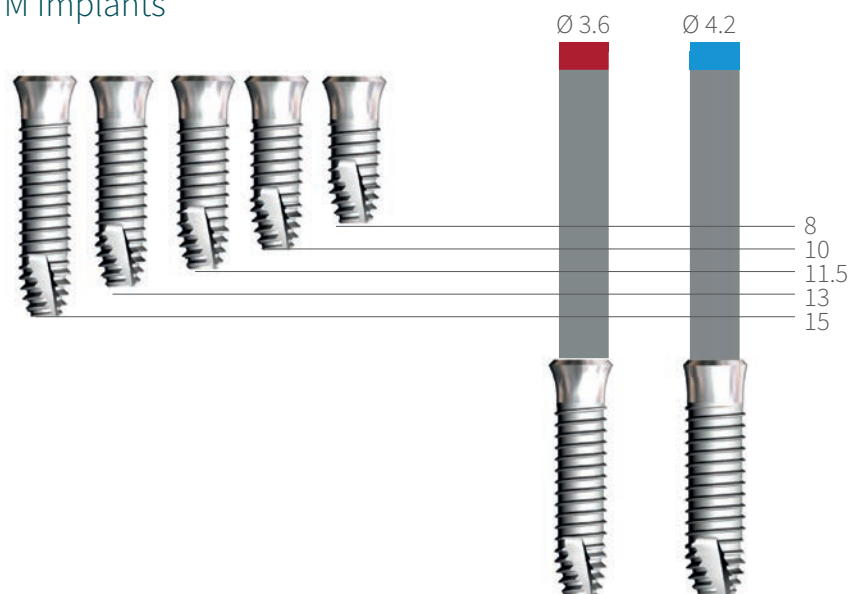


The design

The Dyna Helix[®] TM implant is based on a root-form core with a self-tapping thread extending up to the bone-level area of the implant. The rough, subtractive ART surface creates an optimal micro-morphological topography, promoting rapid bone apposition, while the smooth transmucosal part allows the use of a one-stage protocol. The sharp, self-tapping lower edge facilitates precise vertical positioning during insertion.

Tapping is recommended, especially when working in cortical bone, where there is a risk of overheating or generating excessive stress in the surrounding bone.

Dyna Helix[®] TM Implants



The use of multiple implant diameters and an all-fit-all abutment system provides an ideal combination of simplicity and reliability. The Dyna Helix® TM implant features a solid, straight cylindrical body with an uncoated 2.8 mm collar extending through the soft tissue. Its basic design closely follows that of the Dyna Helix® ST implant.

The absence of the compression zone at the upper part of the implant facilitates surgery for type I or II bone (as defined by Lekholm and Zarb).

All implants are delivered with closing screw in a sterile, single-use packaging that guarantees a cover.

Dyna Helix® TM			
■ Dyna Helix® TM Ø 3,6		Length	Art. no.
	Dyna Helix® TM (TransMucosal)	8	43608TM
	Dyna Helix® TM (TransMucosal)	10	43610TM
	Dyna Helix® TM (TransMucosal)	11,5	43611TM
	Dyna Helix® TM (TransMucosal)	13	43613TM
	Dyna Helix® TM (TransMucosal)	15	43615TM
■ Dyna Helix® TM Ø 4,2			
	Dyna Helix® TM (TransMucosal)	8	44208TM
	Dyna Helix® TM (TransMucosal)	10	44210TM
	Dyna Helix® TM (TransMucosal)	11,5	44211TM
	Dyna Helix® TM (TransMucosal)	13	44213TM
	Dyna Helix® TM (TransMucosal)	15	44215TM

Cover Screw Dyna Helix TM

Each implant is supplied with a 1 mm cover screw (84TM1). Additional cover screws for Dyna Helix® TM implants are available in three heights: 0, 2, and 3 mm. The listed implant length (also indicated on the packaging) refers to the portion up to the polished collar — the ART-treated section. The collar measures 2.8 mm.

Cover screw				
Cover screw Dyna Helix TM				
Art. no	84000	84TM1	84TM2	84TM3
				
Height	0	1	2	3

Dyna Helix® Implant packaging

Features, labelling and handling

- Safe use
- Secure and sterile barrier
- Secure, easy and safe removal of the implant from the packaging
- Meets all applicable international standards and regulations concerning medical devices
- Gamma sterilized
- Clear markings of diameter, length and type

Dyna Helix® Implant packaging, labelling and handling

The Dyna packaging has been specifically designed to ensure the safe and efficient use of the Dyna Helix® Implant System. A titanium cylinder with a sealing cap and glass tube, enclosed in a blister with a Tyvek® seal, provides a very secure and sterile barrier (sterile for at least 5 years). The titanium cylinder has been specifically designed to provide secure, easy, and safe removal of the implant from the packaging and delivery to the preparation site. By using a Dyna Octa Driver, the implants can easily be taken out of the packaging and placed into the implant site, either with a contra-angle handpiece or manually with the Octa Driver TW in combination with the Dyna Torque Wrench. The Dyna packaging meets all applicable international standards and regulations concerning medical devices. All our products carry a CE mark, approved by our notified body DEKRA. The implant packaging is gamma sterilized and has clear markings of diameter, length and type.

The packaging is colour coded:

White	→	Ø 3.2mm	Blue	→	Ø 4.2mm
Red	→	Ø 3.6mm	Yellow	→	Ø 5.0mm



Labelling colour code Ø 3.2, 3.6, 4.2 and 5.0 on outer labels, blister labels and caps inside the blister. Labelling on 3 sides so information is always visible, no matter which way the packaging is stored.

Important features of the Dyna Helix® Implant packaging

- Gamma sterilized, Tyvek® sterile barrier
- Clear marking with type, length and diameter on the label
- Two extra labels for documentation
- Sterility for 5 years
- No mounting device necessary
- Placing the implant by contra-angle or manually



Open the side 2 ways along the perforation



The box opens



Blister with tyvek is visible
Remove blister from packaging



Take the IFU and 2 extra labels via the address side of the box
Read the IFU carefully and use the labels for documentation and the Product registration & Guarantee card



Product registration & Guarantee card



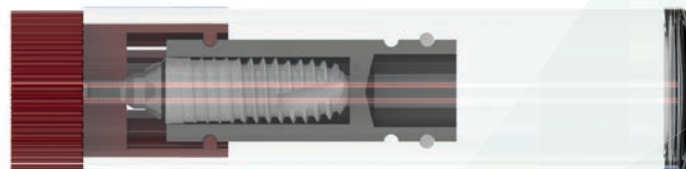
Open the blister at the opening corner and take out the glass tube



Take the titanium cylinder with the cap from the glass tube. The closing screw is seated in the cap.

Take out the closing screw with the Dyna Hex driver.

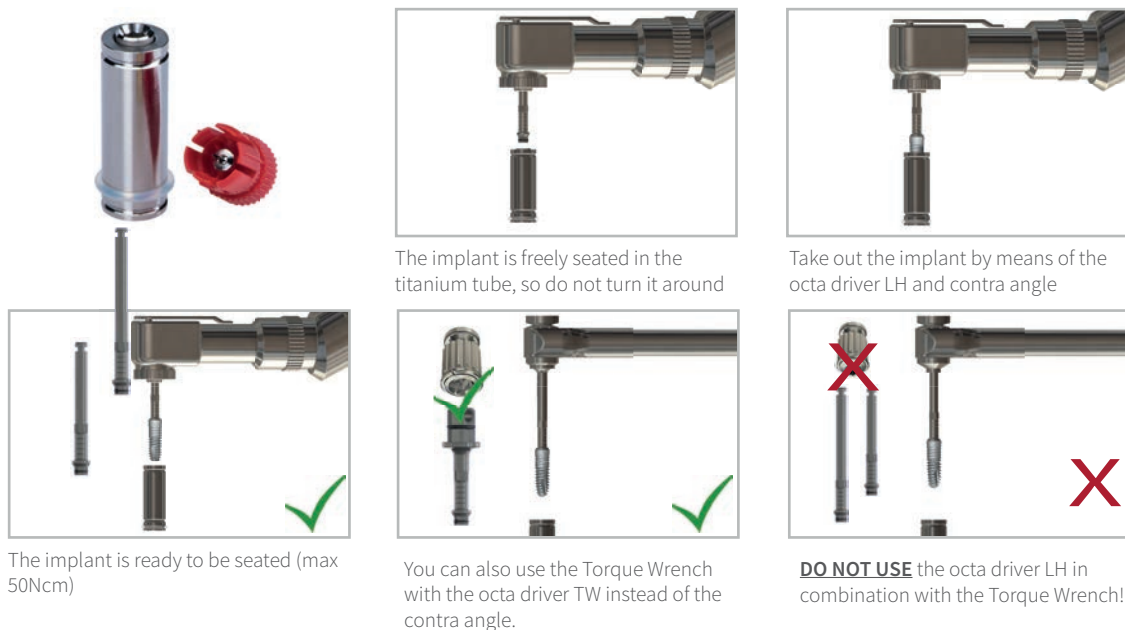
The implant is freely seated in the titanium cylinder, so do not turn it around or the implant falls out.



* DuPont™ Tyvek® for medical and pharmaceutical packaging provides the tear resistance, durability, breathability and superior microbial barrier to keep medical equipment and pharmaceuticals sterile throughout their lifecycle.

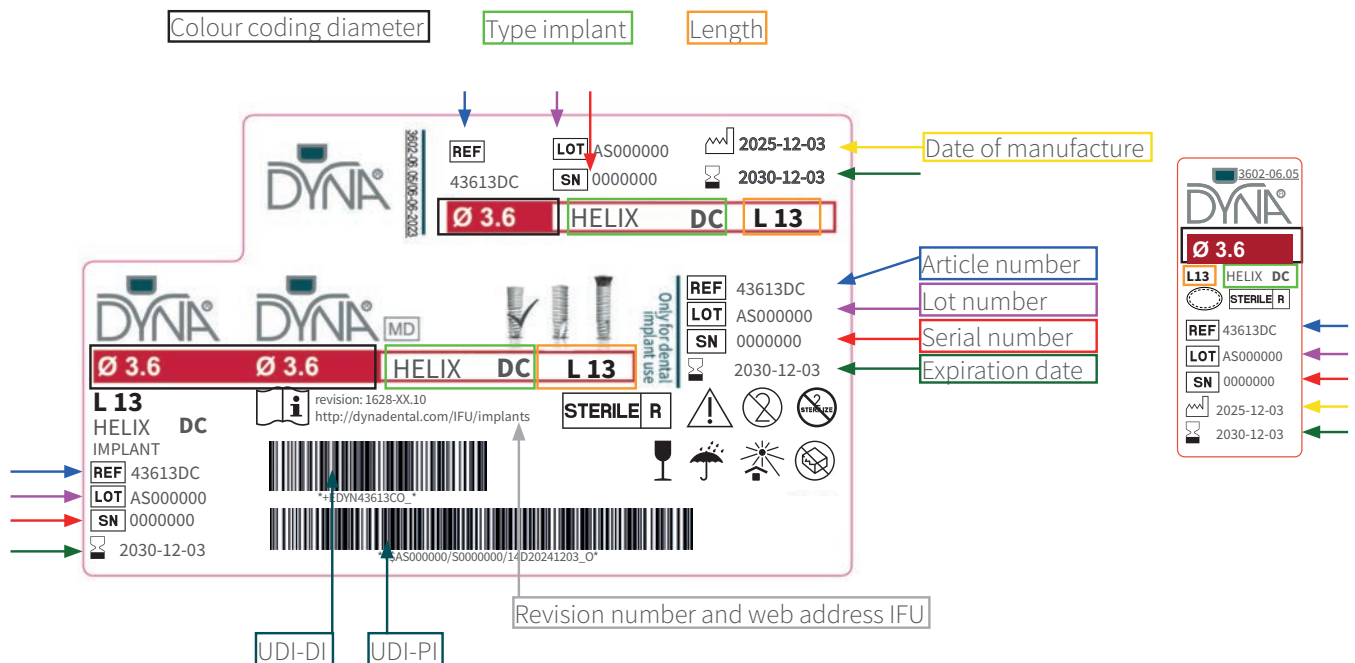
Unlike medical-grade papers and films, Tyvek® is compatible with all of the most commonly used sterilization methods. Tyvek® has been a trusted choice for medical device and pharmaceutical manufacturers as well as specialized sterile packaging suppliers worldwide for decades. Because Tyvek® is produced according to ISO 14001, it can also be recycled, according to local regulations.

Removal and seating of the Dyna Helix® Implant



Dyna Helix® Implant labelling

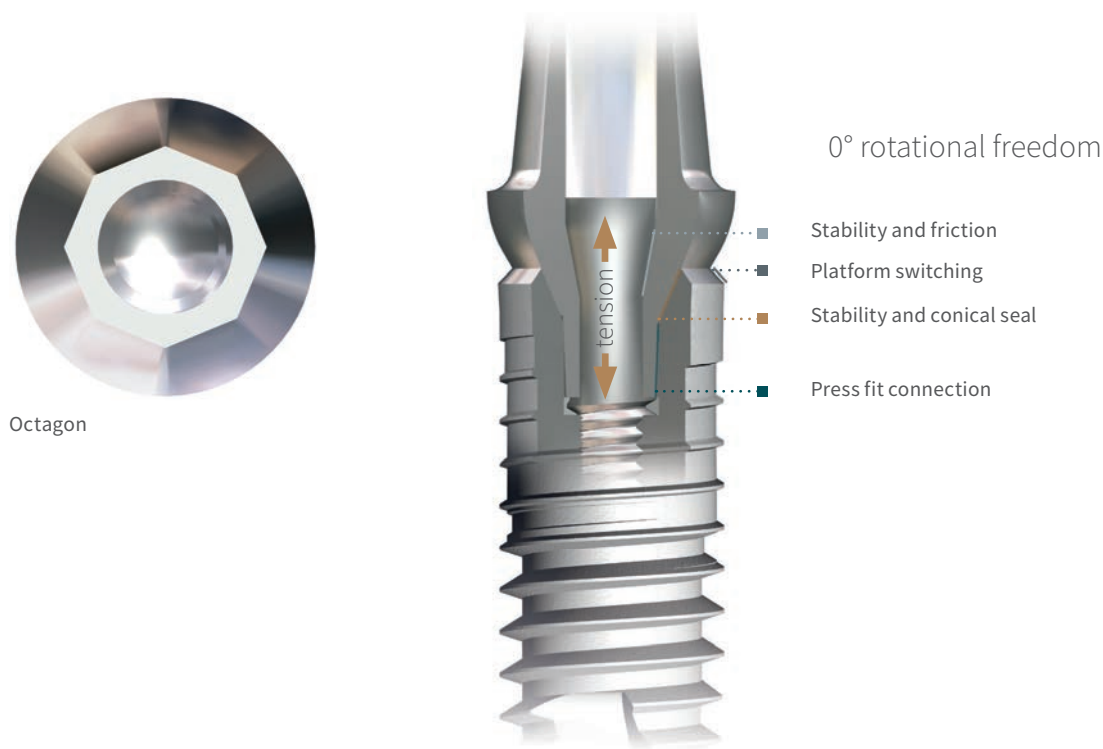
The Dyna Helix® label provides all the information necessary to identify the implant both before and after surgery. The inner tube features colour coding to indicate the implant diameter, and also displays the implant type and length. Inside the packaging, two additional labels are included for documentation. One for the clinical records and one for the patient's Implant Card. Use these labels to update your files and to inform the patient. This information is essential for prosthetic procedures and any future replacements.



1 Conical abutment connection

Precise closure by the use of an octagon with press-fit

- Press fit internal octagon
- Conical abutment connection at 35Ncm
- One universal crown and bridge conical fixation screw
- Each abutment fits all implant designs & diameters, equal for all implants



Dyna Octalock® connection

The Dyna Octalock® abutment connection combines a press-fit octagon with a conical interface, creating a perfect seal against the external environment. Each abutment fits all implant designs and diameters and is secured using a single universal conical fixation screw for all crown and bridge applications.

Dynamic loading tests conducted in accordance with EN ISO 14801:2016 demonstrate excellent levels of fatigue strength. The conical design of the universal fixation screw prevents loosening and fracture when tightened to 35 Ncm prior to the final prosthetic restoration. This ensures high stability and a self-centering system. Due to frictional forces, only a small portion of the applied torque is transferred to the screw thread, resulting in significant tension relaxation. Combined with the conical connection, this design makes it virtually impossible to overload or break the screw under normal physiological use.

Dyna Helix all-fit-all abutments

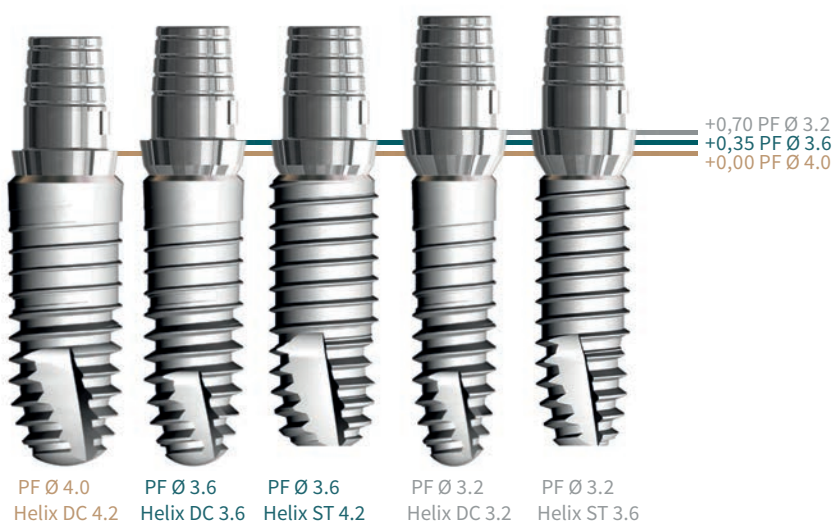
All abutments fit all implant types

Dyna abutments are originally designed on Ø 4mm platform.

When using an implant with a smaller diameter platform the abutment is slightly higher.

	Platform in Ø		
	Platform 4.0	Platform 3.6	Platform 3.2
	Implant Ø4.2DC Implant Ø5.0DC	Implant Ø3.6DC	Implant Ø3.2DC
	Implant Ø5.0ST Implant Ø3.6TM Implant Ø4.2TM	Implant Ø4.2ST	Implant Ø3.6ST
Art. nr.	Gingiva height in mm		
	Concave shape 	Concave shape 	Concave shape 
81ST1T Straight abutment CS 1	1,0	1,35	1,7
81ST2T Straight abutment CS 2	2,0	2,35	2,7
81ST3T Straight abutment CS 3	3,0	3,35	3,7
81AA1T Angled abutment CS 18° 1	1,0	1,35	1,7
81AA2T Angled abutment CS 18° 2	2,0	2,35	2,7
81AA3T Angled abutment CS 18° 3	3,0	3,35	3,7

Example with TiBase abutment H1 (81BA1)



All abutments fit all implant types, such as:

- Healing abutments
- Abutments for removable constructions such as ball, bar magnet
- Multi-unit abutments
- Abutments fixed constructions

All abutments fit all implant types, only one universal fixation screw. Thanks to the conical connection!

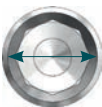
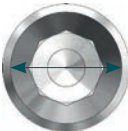
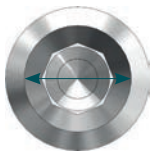
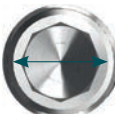
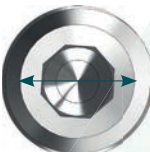
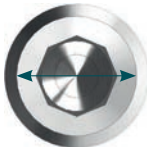
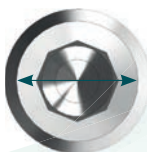


Dyna Helix All-Fit-All Abutments

The Dyna Helix® All-Fit-All Abutment System includes abutments for both removable structures and fixed restorations such as crowns and bridges on Dyna Helix® implants, either cemented or screw-retained.

The exceptional design of the Dyna Octalock® connection prevents abutment screw loosening, microleakage, and ensures a reliable impression technique. Implant-level abutments with the Dyna Octalock® connection must be tightened to 35 Ncm of torque.

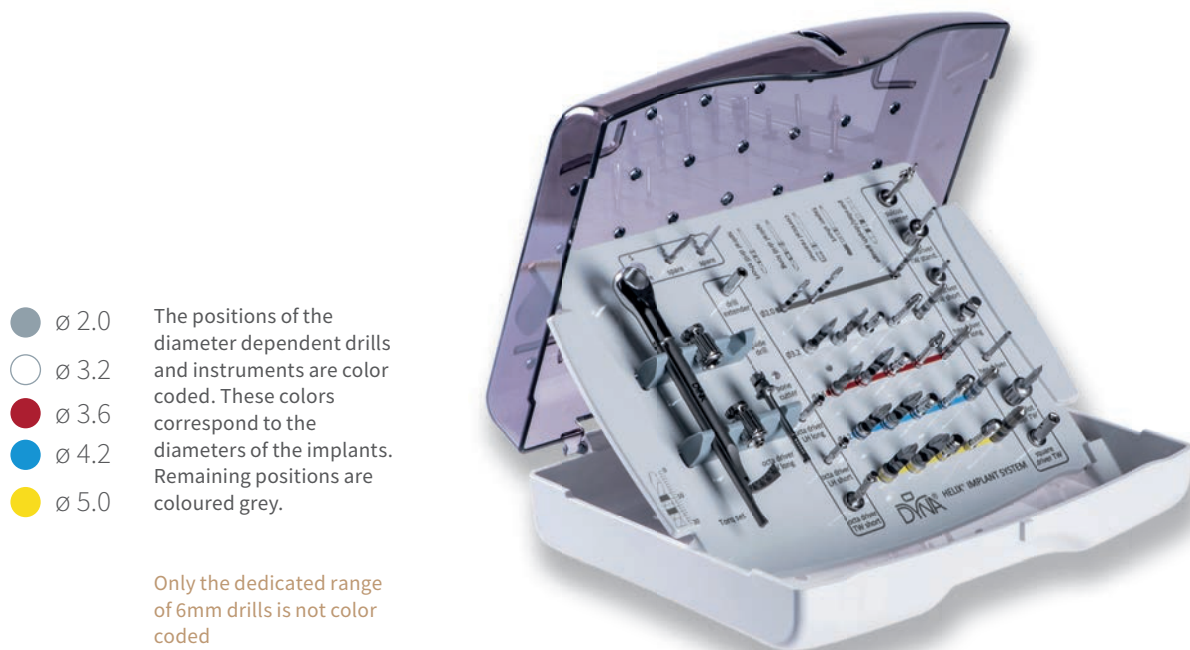
The All-Fit-All abutment design, combined with a single universal abutment screw, provides a versatile and user-friendly system for crown and bridge restorations.

Implant diameter	3.2	3.6	4.2	5.0
Dyna Helix DC				
Diameter	Ø 3.2	Ø 3.6	Ø 4.2	Ø 5.0
Platform	Ø 3.2	Ø 3.6	Ø 4.0	Ø 4.0
Cover screw Art. No.	83600	83600	84000	84000
Dyna Helix ST				
Diameter		Ø 3.6	Ø 4.2	Ø 5.0
Platform		Ø 3.2	Ø 3.6	Ø 4.0
Cover screw Art. No.		83600	83600	84000
Dyna Helix TM				
Diameter		Ø 3.6	Ø 4.2	
Platform		Ø 4.0	Ø 4.0	
Cover screw Art. No.		84TM1	84TM1	

1 Instrument cassette

The standard Dyna Helix® tool cassette is compatible with all Dyna Helix® implants, allowing the surgeon to select the implant type during the procedure without opening additional instrument cassettes.

Thanks to the Dyna Octalock® design, all abutments can be used with all Dyna Helix® implants, further simplifying the workflow and minimizing the number of instruments required. Instruments manufactured by Dyna Dental Engineering are designed to be simple, efficient, and universal.

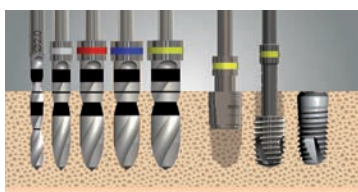


The Dyna Helix® tool cassette is compact, measuring 19.5 cm in length, 15 cm in width, and 5.5 cm in height. The tray is made of polyphenylsulfone (PPSU) and fits in almost all autoclaves.

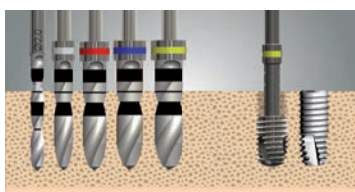
PPSU offers excellent heat resistance and hydrolytic stability, making it an ideal material for medical devices that require repeated steam sterilization.

There is a direct correlation between the precision of an implant system and its long-term outcomes. Therefore, the tolerances of connections between instruments (such as drills and implants, implants and abutments, or hex drivers and fixation screws) are carefully adjusted to ensure a perfect fit. The use of original Dyna drills and instruments is essential.

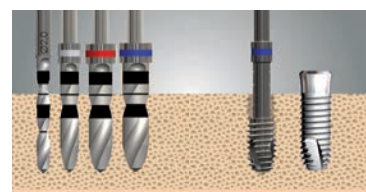
Preparation overview Dyna Helix DC



Preparation overview Dyna Helix ST



Preparation overview Dyna Helix TM



Instruments

The surgical instruments for Dyna Helix® implant systems

A limited number of instruments is sufficient to perform surgery. The surgical instruments for all Dyna Helix® implant systems are logically arranged in a procedure-oriented cassette. Drills that correspond to the implant diameters and lengths allow smooth and precise preparation of the implant site, ensuring efficiency and minimizing trauma.

Surgical instruments and drills							
Diameter	6mm Drill	Drill short	Drill long	Cortical reamer	Taper short	Depth Gauge	Extra drill tools
2,0 							
	12ID6-23	12PS20	12PL20			12DG20	KI589.204
3,2 							
	12ID6-32	12DS32	12DL32	12CS32	12TS32	12DG32	H141A 206 040
3,6 							
	12ID6-36	12DS36	12DL36	12CS36	12TS36		H141A 206 023
4,2 							
	12ID6-42	12DS42	12DL42	12CS42	12TS42		H166 205 021
5,0 							
		12DS50	12DL50	12CS50	12TS50		186A 204 001

Extra drill tools

KI589.204	Drill extender	H166 205 021	Lindemann Fraise
H141A 206 040	Ø 4mm Bone cutter	186A 204 001	Initial bur
H141A 206 023	Ø 2,3mm Bone cutter		

Instrument set 12IS20

	Description	Art. no.	
	Hex driver T.W. standard	5181S	✓
	Single slot driver T.W.	5081S	✓
	Drill extender	KI589.204	✓
	Initial triangular bur	186A 204 001	✓
	Torq Wrench	TW-45-1	✓
	Rotor Bit 4x4 for Torq Wrench	C8521	✓
	Octa Driver latch head short	12OL0	✓
	Octa Driver latch head long	12OL1	✓
	Octa Driver torq wrench short	12OT0	✓
	Octa Driver torq wrench long	12OT1	✓
	Parallel / Depth Gauge Ø2.0	12DG20	✓
	Parallel / Depth Gauge Ø3.2	12DG32	✓
	Hand sulcus reamer	18PD1	✓
	Ø 2.0 Pilot drill short	12PS20	✓
	Ø 2.0 Pilot drill long	12PL20	✓
	Ø3.2 Spiral drill short	12DS32	✓
	Ø3.2 Spiral drill long	12DL32	✓
	Ø 3.6 Spiral drill short	12DS36	✓
	Ø 3.6 Spiral drill long	12DL36	✓
	Ø 4.2 Spiral drill short	12DS42	✓
	Ø 4.2 Spiral drill long	12DL42	✓
	Ø 5.0 Spiral drill short	12DS50	✓
	Ø 5.0 Spiral drill long	12DL50	✓
	Helix Cortical Reamer Ø3.2	12CS32	✓
	Helix Cortical Reamer Ø3.6	12CS36	✓
	Helix Cortical Reamer Ø 4.2	12CS42	✓
	Helix Cortical Reamer Ø 5.0	12CS50	✓
	Helix Taper short Ø3.2	12TS32	✓
	Helix Taper short Ø3.6	12TS36	✓
	Helix Taper short Ø 4.2	12TS42	✓
	Helix Taper short Ø 5.0	12TS50	✓

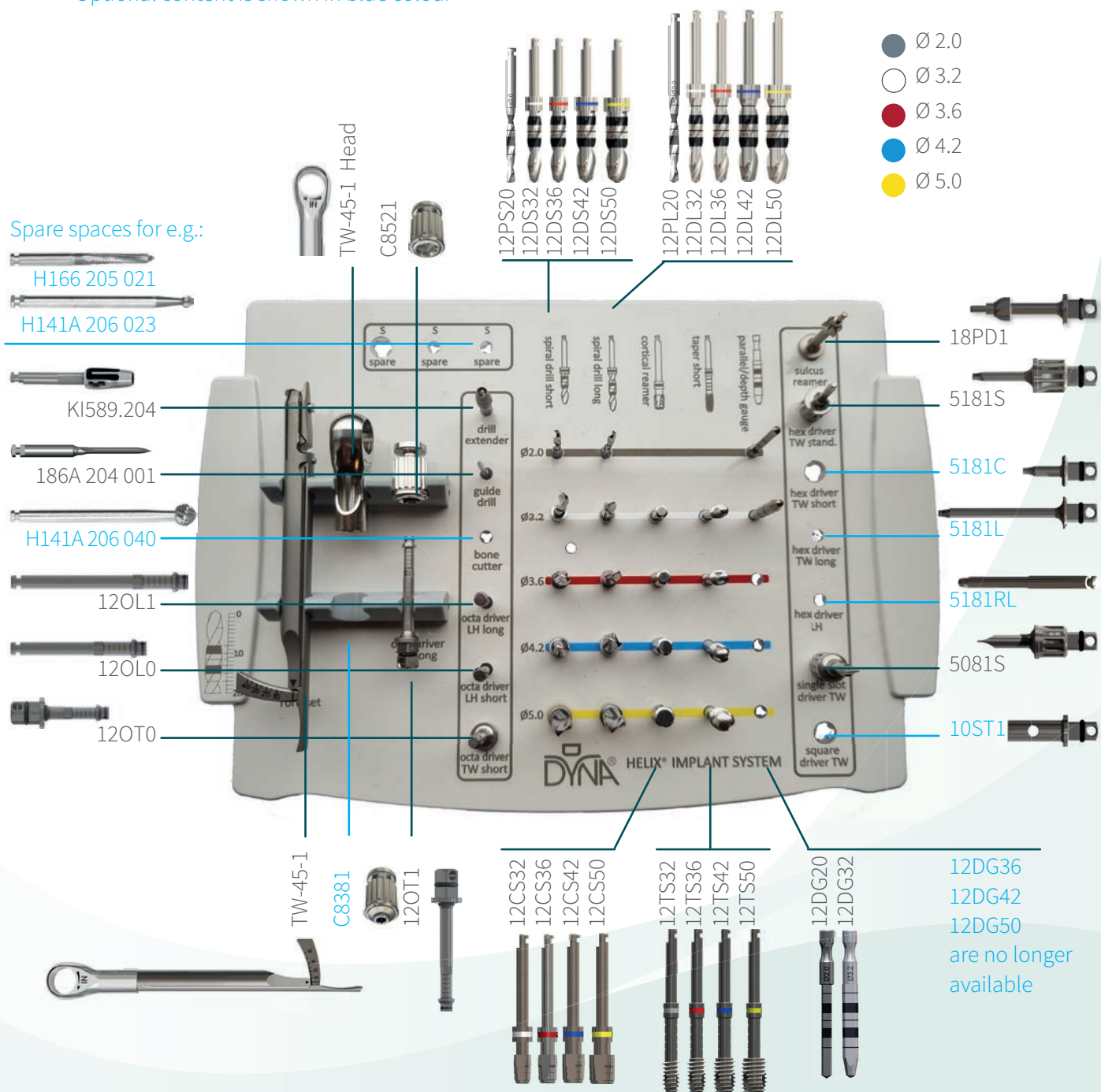
Legenda:

- ✓
Standard
in set
- Optional

	Hex driver T.W. short	5181C	
	Hex driver T.W. long	5181L	
	Hex driver Latch Head	5181RL	
	Square driver T.W.	10ST1	
	Rotor Bit ISO1797 Adaptor for Torq Wrench	C8381	
	Ø 4mm Bone cutter	H141A 206 040	
	Lindemann Fraise	H166 205 021	
	Ø 2,3mm Bone cutter	H141A 206 023	

Picture shows 12IS20 content on cassette insert

Optional content is shown in blue colour

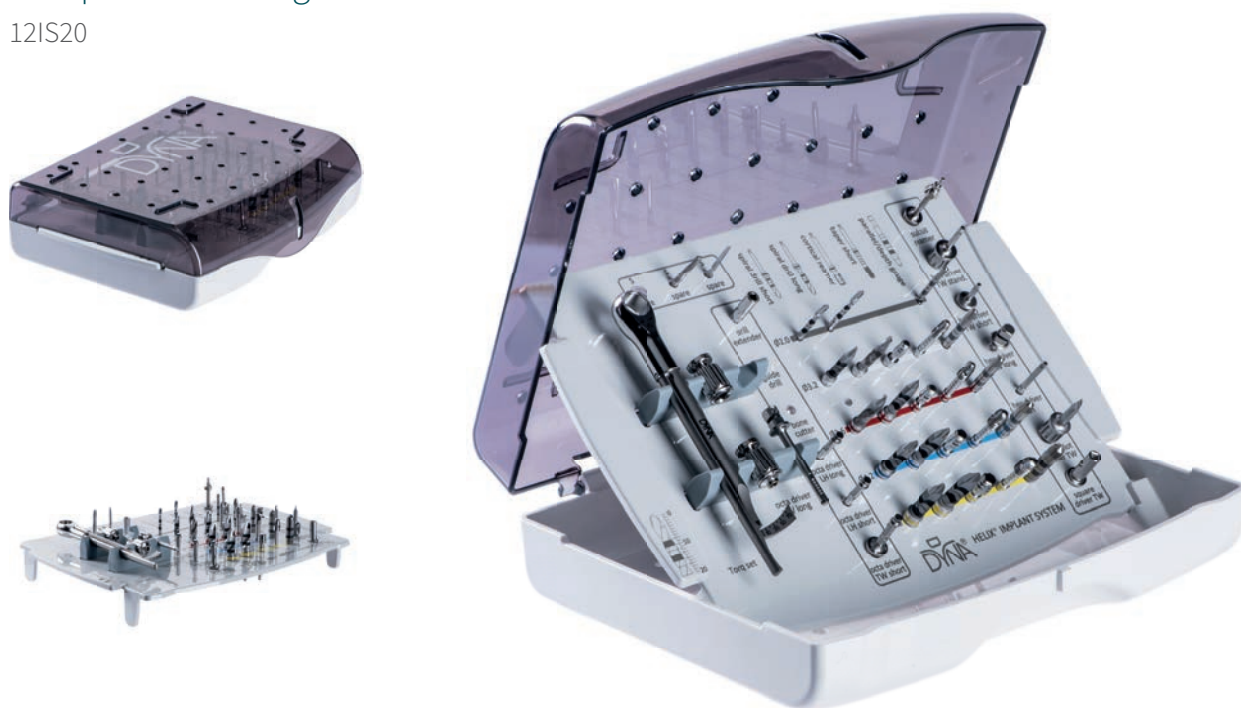


Instrument sets

In instrument sets 12IS20, 12IS21, 12IS22, 12IS30, 12IS30A, 12IS31, 12IS40 and 12IS41 the Helix tool cassette (PPSU) is enclosed. The article number of the separate cassette is 12TC2.

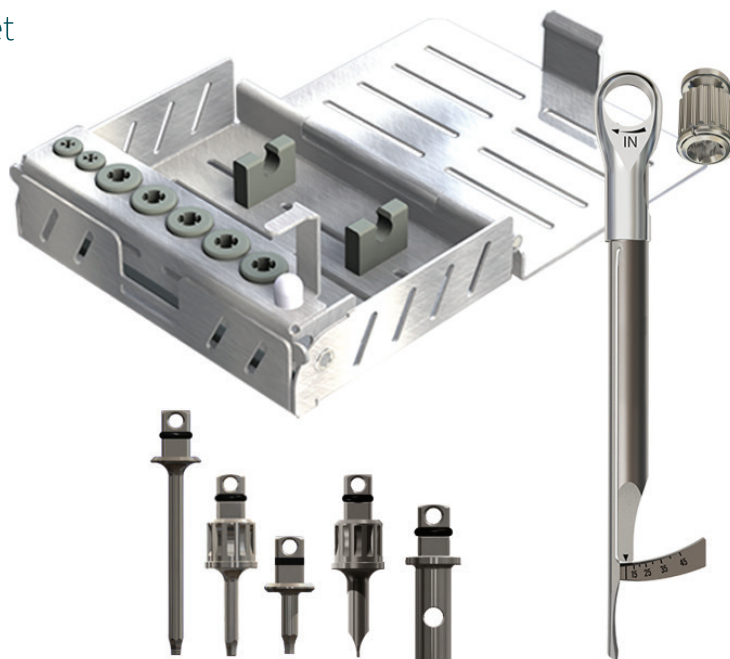
Complete Helix surgical instrument & drill set

12IS20



Helix prosthetic instrument set

10PI10



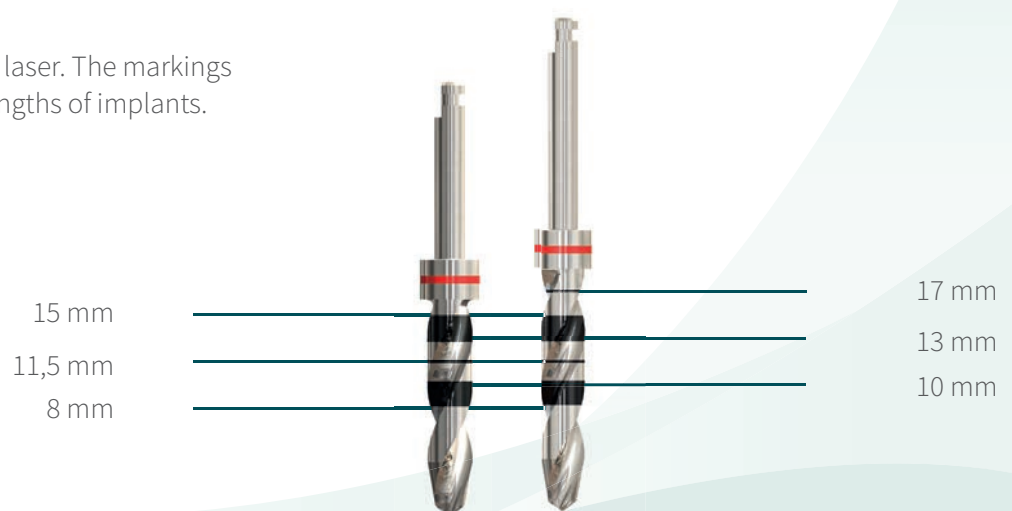
Surgical instruments

Dyna Helix drills

The Dyna drills are externally irrigated and manufactured from surgical-grade stainless steel. They feature a tapered design with two cutting edges to ensure efficient and effective preparation of the implant site. All drills are laser-marked for easy identification of the preparation depth. The markings correspond to the following implant lengths:

Helix surgical instruments		
Helix drill	Description	Art. no.
	Ø 2.0 Pilot drill short	12PS20
	Ø 2.0 Pilot drill long	12PL20
	Ø 3.2 Spiral drill short	12DS32
	Ø 3.2 Spiral drill long	12DL32
	Ø 3.6 Spiral drill short	12DS36
	Ø 3.6 Spiral drill long	12DL36
	Ø 4.2 Spiral drill short	12DS42
	Ø 4.2 Spiral drill long	12DL42
	Ø 5.0 Spiral drill short	12DS50
	Ø 5.0 Spiral drill long	12DL50

All drills are marked by laser. The markings correspond with the lengths of implants.



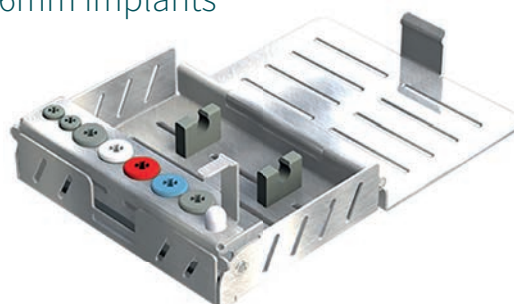
Dyna Helix drills dedicated for 6mm implants

The Dyna drills are externally irrigated and manufactured from surgical-grade stainless steel. Their tapered design and dual cutting edges ensure efficient and precise preparation of the implant site.

Helix surgical instruments		
Helix drill	Description	Art. no.
	Ø 2.3 Implant Drill 6mm	12ID6-23
	Ø 3.2 Implant Drill 6mm	12ID6-32
	Ø 3.6 Implant Drill 6mm	12ID6-36
	Ø 4.2 Implant Drill 6mm	12ID6-42

Set Dyna drills & instruments dedicated for 6mm implants

To use and store your 6mm instruments in an organised way, we offer sets using the small Helix instrument cassette (501911S6).



The necessary instruments are:

	Description	Art. no.	set-12IS60*	set-12IS61*
	Dyna Parallel / Depth Gauge Ø2.0	12DG20	✓	
	Dyna Parallel / Depth Gauge Ø3.2	12DG32	✓	
	Ø 2.3 Implant Drill 6mm	12ID6-23	✓	✓
	Ø 3.2 Implant Drill 6mm	12ID6-32	✓	✓
	Ø 3.6 Implant Drill 6mm	12ID6-36	✓	✓
	Ø 4.2 Implant Drill 6mm	12ID6-42	✓	✓

* Set 12IS60 includes cassette 501911S6
Set12IS61 does NOT include a cassette

Helix Parallel / Depth Gauge

Dyna parallel/depth gauge instruments feature an 11 mm handle, while the osteotomy section has a uniform length across all instruments. These gauges allow verification of the prepared implant site and should be used to confirm the position and angulation of the osteotomies.

Helix surgical instruments		
Dyna parallel / depth gauge	Description	Art. no.
	Dyna Parallel / Depth Gauge Ø2.0	12DG20
	Dyna Parallel / Depth Gauge Ø3.2	12DG32

Dyna Parallel / Depth Gauges Ø 2.0 and 3.2 have markings of 6mm.

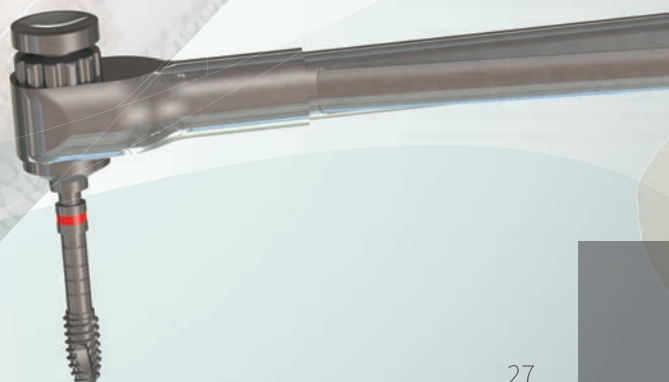
Additionally, the gauges can be used as try-in implants for assessing the extraction socket and/or soft tissues during immediate implant placement. All instruments are equipped with laser markings for easy identification of length and diameter.

Helix Taper Short

In cases of high-density bone, it is advisable to tap the implant site before inserting the implant. To do so, select the tapping instrument that corresponds to the final implant diameter.

Helix surgical instruments		
Helix taper short	Description	Art. no.
	Helix Taper short Ø3.2	12TS32
	Helix Taper short Ø3.6	12TS36
	Helix Taper short Ø 4.2	12TS42
	Helix Taper short Ø 5.0	12TS50

During implant bed preparation/insertion, the only surgical instrument the Rotor-Bit Latch-Head (ISO1797) may be used with is the Dyna Helix Taper



Helix Cortical Reamer

Once the implant site has been widened to the desired diameter, its cortical portion must be modified with the cortical reamer to ensure proper insertion of the Dyna Helix® DC. Cortical modification allows atraumatic implant placement by reducing excessive forces on the marginal tissues, while still providing satisfactory primary stability across different bone types.

Do not use the cortical reamer in cases of insufficient high-density cortical bone, or with the following implants: Dyna Helix DC 4.2 × 6 mm, Dyna Helix TM, and Dyna Helix ST.

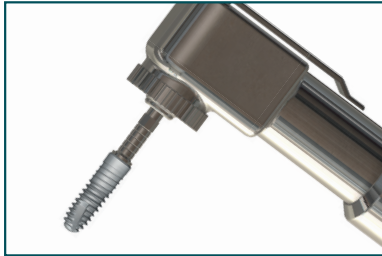
Helix surgical instruments		
Helix cortical reamer	Description	Art. no.
	Helix Cortical Reamer Ø3.2	12CS32
	Helix Cortical Reamer Ø3.6	12CS36
	Helix Cortical Reamer Ø 4.2	12CS42
	Helix Cortical Reamer Ø 5.0	12CS50

Implant insertion instrument (Octa Driver) for Dyna Helix® implant system

The octa driver is used to place the implant. Its tapered octagonal design ensures a secure press-fit connection with the implant, eliminating the need for a separate mounting device and providing improved visual control during insertion. The octa driver can be used with a torque wrench or a contra-angle handpiece.

Helix surgical instruments		
Dyna octa driver's	Description	Art. no.
	Dyna Octa Driver latch head short	12OL0
	Dyna Octa Driver latch head long	12OL1
	Dyna Octa Driver torque wrench short	12OT0
	Dyna Octa Driver torque wrench long	12OT1

Pick-up implant from packaging with Dyna Octa Driver

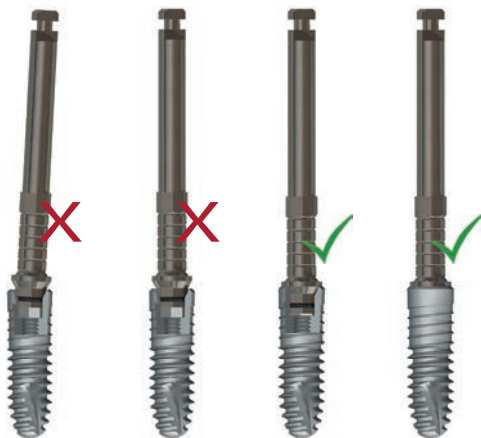


The Dyna Octa Driver Latch-Head can be used with a contra-angle handpiece for implant pick-up and initial placement. Do not exceed a rotation speed of 30 rpm, and ensure that the torque is limited to a maximum of 50 Ncm. Exceeding this limit may cause mechanical damage to latch-head instruments.

If the torque is higher than 50Ncm the implant should be threaded into place manually using the torque wrench in combination with an Octa driver torque wrench (12OT0/1).

Correct Octa Driver placement in the implant

When picking up the implant from the packaging, ensure that the Octa Driver is properly aligned with the implant and inserted to the correct depth.



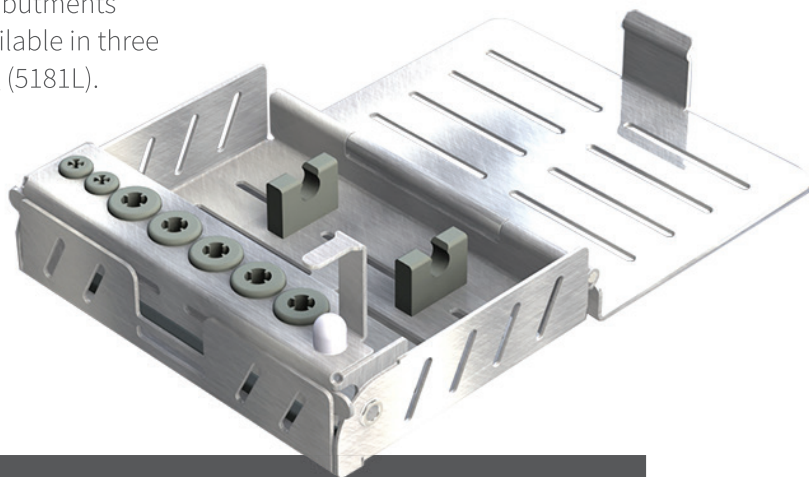
Check the fit for the different implant platforms



Prosthetic instruments

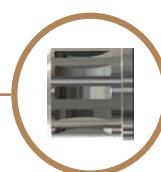
The prosthetic instruments for Dyna Helix® implant system

To use and store your prosthetic instruments in an organized manner, we provide a small Prosthetic Instrument Cassette (501911), which is included in set 12PI10. Most abutments can be tightened using the Dyna Hex Driver, available in three types: short (5181C), standard (5181S), and long (5181L).



Prosthetic instruments			
Drivers	Description	Art. no.	In set 12PI10
	Dyna Hex drive latch head	5181RL	
	Dyna Hex driver torque wrench long	5181L	✓
	Dyna Hex driver torque wrench standard	5181S	✓
	Dyna Hex driver torque wrench short	5181C	✓
	Dyna square driver torque wrench	10ST1	✓
	Dyna Single slot driver	5081S	✓
	Torque Wrench 45Ncm	TW-45-1	✓
	Rotor Bit 4x4 square	C8521	✓

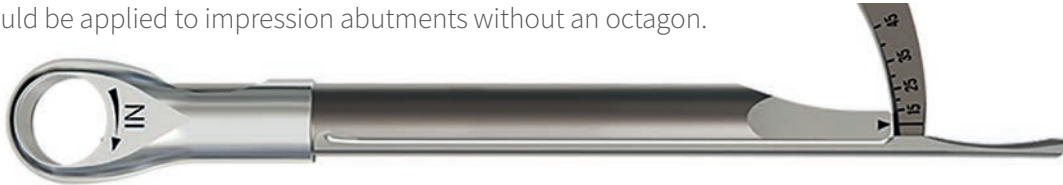
Extension abutments can be tightened using the single slot driver (5081S). The latest ball abutments and the direct temporary abutment straight for crowns (89TA2) are tightened with the square driver (10ST1). Earlier types of ball abutments feature a hexagonal connection on top and therefore continue to use the hex drivers.



Straumann®
connection

Torque Wrench

Each of the aforementioned drivers can be used with the Torque Wrench (TW-45-1; rotor bits not included). This allows abutments to be tightened to the recommended torque values: 35 Ncm for implant-level abutments, 30 Ncm for extension-level abutments, 15 Ncm for cover screws, healing abutments, multi-unit prosthetic screw hexes, and CAD/CAM bar screws (Dyna Multi-Unit). No torque should be applied to impression abutments without an octagon.



Rotor bits

Additionally, a 4×4 mm square rotor bit (C8521) is available for all drivers, providing extra grip when tightening an abutment by hand. For latch-head instruments, a rotor bit ISO1797 adaptor (C8381) is also available.



Surgical instruments:

The Rotor-Bit Latch-Head (ISO1797) may only be used with the Dyna Helix Taper.

Prosthetic instruments:

The Rotor-Bit Latch-Head can also be used with several prosthetic instruments that feature a Latch-Head connection.

Hex drivers

The drivers have different sizes.

C8381
5181RL

C8521
5181L

C8521
5181S

C8521
5181C

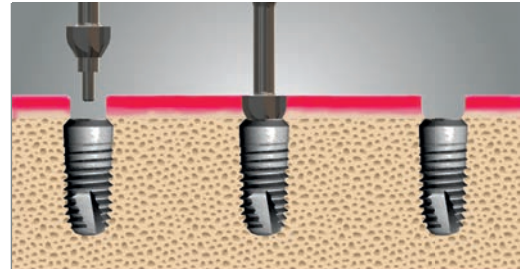
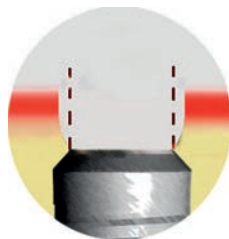
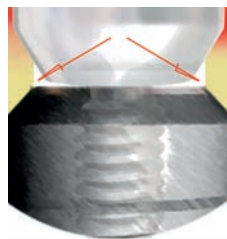
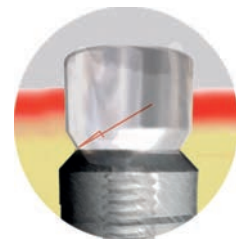


Dyna hand Sulcus Reamer

The Dyna Hand Sulcus Reamer 18PD is specifically designed to shape the supra-implant portion of the bone crest prior to abutment tightening. Its uniquely shaped cutting section corresponds to the transmucosal portion of Dyna abutments.

18PD

The device is intended for manual use only and ensures a secure connection between the implant and all Dyna Octalock abutments, preventing loosening or breakage.



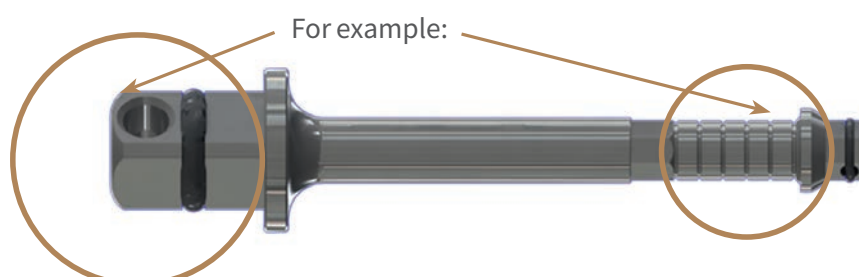
When placing implants subcrestally, it is common for bone to overgrow the upper portion of the implant, reaching the closing screw. Overhanging bone can interfere with proper abutment connection when unthreading the closing screw. The Dyna Sulcus Reamer T.W. allows minimally invasive shaping of the supra-implant bone, ensuring proper abutment placement.

Replacement O-rings

The O-rings used on prosthetic drivers to secure the Torq Wrench and rotor bits, as well as those on the underside of Octa Drivers, are subject to wear over time. Replacement O-rings are therefore available.

Helix surgical and prosthetic instruments

O-rings	Description	Art. no.
 4X	O-ring small for octa driver (4pcs)	75701-4
 10X	O-ring for T.W. instruments (10pcs)	75702-10

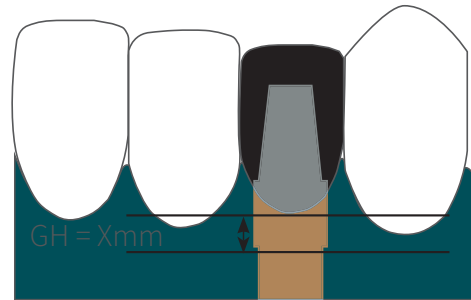


Healing phase

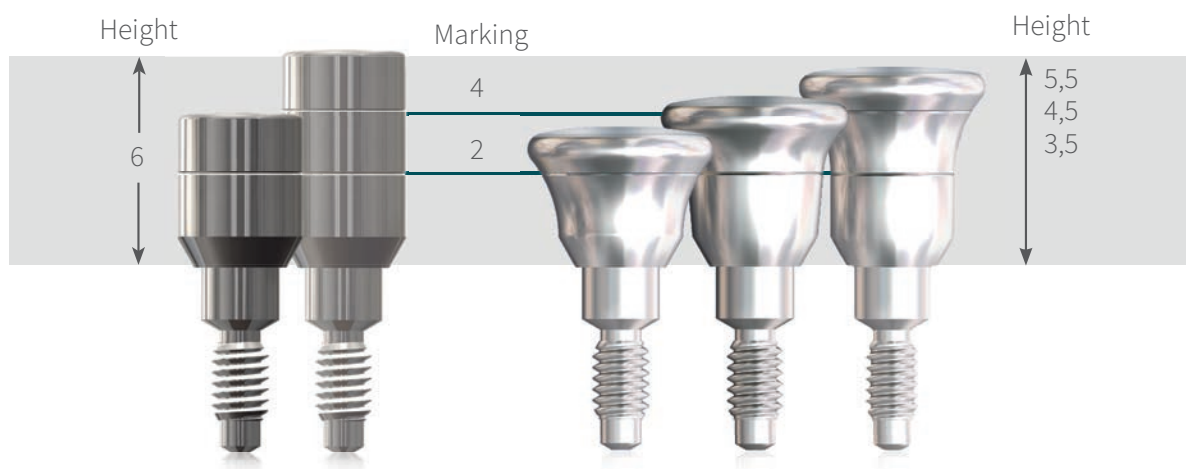
Healing abutments for overdenture and fixed solutions

The height of definitive abutments can be easily determined using Dyna Healing Abutments. Different types are available depending on the chosen restoration. The markings on the healing abutments allow straightforward measurement of the abutment height.

Gingiva Height (GH) after the healing period, defined as the distance between the top of the implant and the gingival margin.



Use 15Ncm torque for these abutments



Standard Healing abutment

The standard healing abutment (ø 4 mm) is available with a total height of 4 or 6 mm.

Healing Calyx abutment

Dyna Helix® DC and ST implants are primarily intended for two-phase surgery. Under specific conditions, they may also be used in one-phase procedures. For these situations, Dyna offers specially designed tulip-shaped healing abutments that allow suturing of the mucosa beneath the abutment.

Healing abutments for overdenture					
	Standard Healing abutment ø 4		Healing Calyx abutment		
Art. no	82HE4	82HE6	83HE35	83HE45	83HE55
					
Marking on	2	2 - 4	2	2	2 - 4
Height on PF4.0	4	6	3,5	4,5	5,5

Healing Abutments for Fixed Constructions

The 5 mm diameter healing abutments for fixed constructions are available in heights of 2 mm, 4 mm, and 6 mm (81HE2, 81HE4, 81HE6). Height markings are provided at 2, 3, and 4 mm. The 6 mm diameter healing abutment (81HA6) has a marking at 3 mm and is used to shape the sulcus when preparing for Dyna Angled and Straight XL abutments.

Healing abutments for fixed constructions				
Art. no	81HE2	81HE4	81HE6	81HA6
				
Marking on		2 - 3	2 - 3 - 4	6
Height on PF4.0	2	4	6	

Impression taking

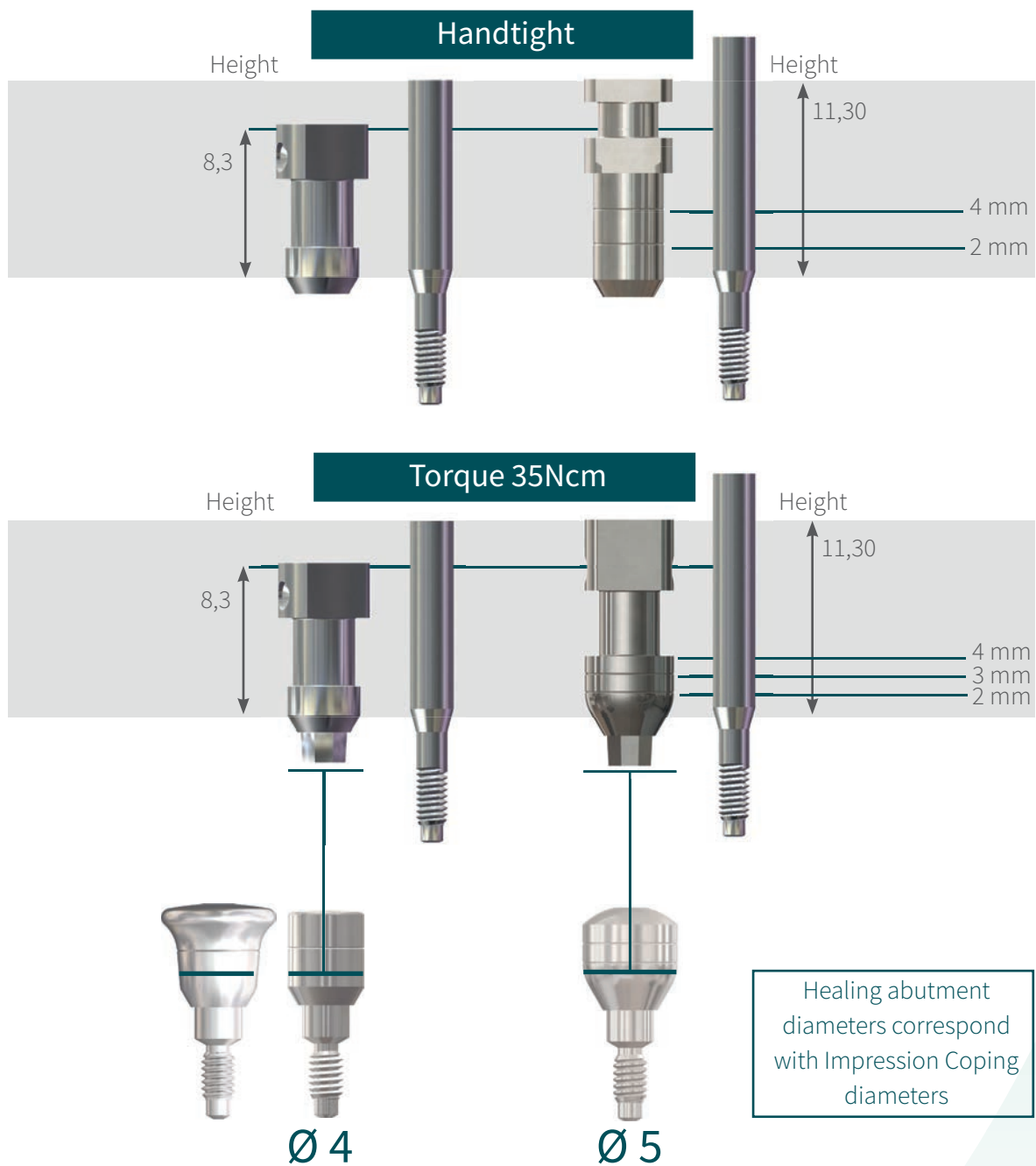
Open Tray Technique

To ensure an optimal implant-level impression using the open tray technique, the following options are available:

Impression Coping				
Open tray	With octa (35Ncm)		Without octa (Hand-tight)	
Art. no	81IC1	81IC2	81IC0	82IC2
	Short 	Long 	Short 	Long 
Height on PF4.0	8,3	11,3	8,3	11,3

Impression Coping screws		
Open tray	Short	Long
Art. no	81IS1	81IS2
		

The impression copings without octa can also be used on extension level abutments (art.nrs. 82EL2 till 6/ 89EL2 till 6). You would however need extension level abutment screw 82ES0 or 82ES1 instead of 81IS1/2 to fixate the coping on the abutment.



Closed Tray Technique

For closed tray impressions, the Octa Impression Coping ensures accurate transfer:
Fixed Impression Coping Octa CIT with Octa (82UI2)

If internal octagon transfer is not needed, two alternative options are offered:

Impression Coping Octa CIT (82EI0)

Impression Coping Octa CIT (82EI08), 8 mm height

Impression Coping Octa CIT				
Closed tray	With octa ø 4 (35Ncm)		Without octa (Tighten by hand)	
Art. no	82UI2		82EI0	82EI08
				
Height on PF4.0	8		5	8

Implant Analogs

Several implant analogs are available to accurately transfer the intraoral situation to a laboratory model:

Impression					
Implant Analog	With octa		Without octa		
Art. no	81IA0	83IA0	02IA0	82IA0	5767C
					

With octa:

Implant Analog Octa 81IA0
Implant Analog Helix TM Octa 83IA0

Analogue type:

Implant Analog Octa 81IA0
Implant Analog Helix TM Octa 83IA0
IA Bar Implant Analog 02IA0
Extension Level Implant Analog 82IA0
Ball Laboratory Patrix 5767C

Without octa:

IA Bar Implant Analog 02IA0
Extension Level Implant Analog 82IA0
Ball Laboratory Patrix 5767C

Used for:

Impression on Dyna Helix DC and ST Implant
Impression on Dyna Helix TM Implant
Impression taking on IA Bar Extension Level
Impression taking on Extension Level Abutments
Impression taking on Ball Abutments

Overdenture solutions

Overdenture solutions in combination with Dyna Helix implants

Different types of overdenture solutions are available. The choice depends on the specific clinical situation and on the dentist's preferences, as well as the indications for the particular attachment.

- Ball abutments
- PrimeLOC abutment Dyna
- Bar abutments
- Instant Adjusting Bar
- Extension level abutments
- Custom made bars

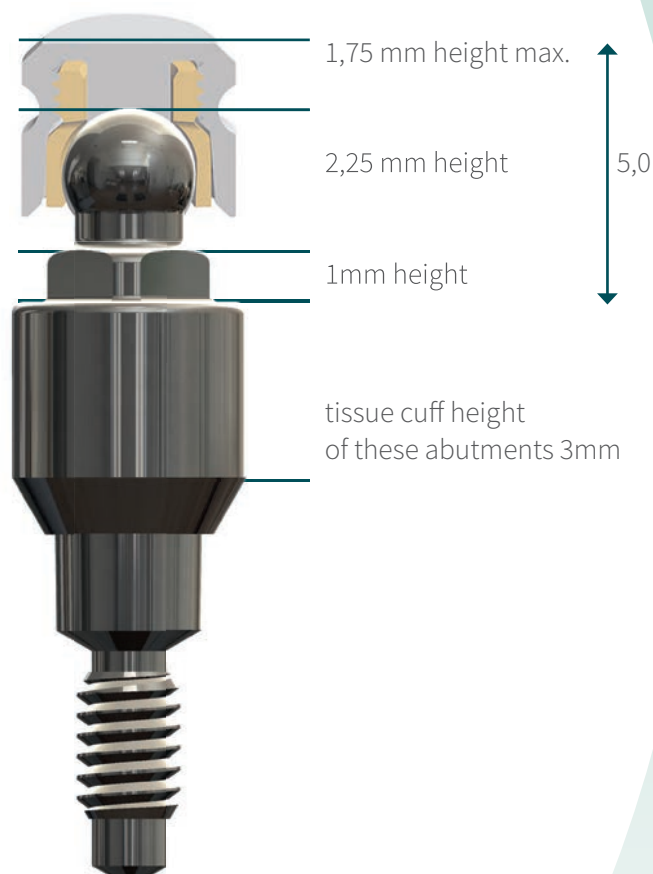
Recommended heights above gingiva

Taking the hygiene aspects in account, the following heights above the gingiva are recommended:

~0,5 - 1,0mm in case of ball, bar and locator abutments.

Ball Abutments

The Dyna ball attachment consists of a closed ball and a Dalbo matrix. Dyna ball abutments are intended to increase the retention of (partial) dentures supported by implants. The corresponding matrices are supplied by Cendres + Métaux.



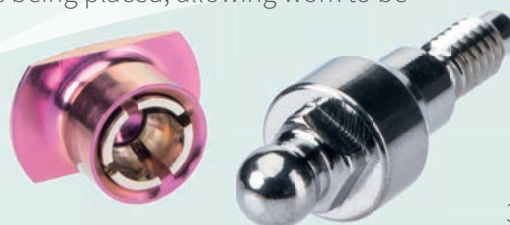
Closed Ball abutment with octa (35Ncm - only 82EB0C 30Ncm)

Art. no 82EB0C* 82BL0C 82BL1C 82BL2C 82BL3C 82BL4C 82BL5C 82BL6C



Height on PF4.0 0 0 1 2 3 4 5 6

* The special ball abutments available for use on extension abutments (82EB0C) can be used in combination with extension abutments, available in heights from 2 to 6 mm (82EL2 to 6). If the ball portion needs to be replaced, the dentist can hold the extension abutments in place at the extension level while the final abutment or final construction is being placed, allowing work to be performed at the mucosal level.



PrimeLOC

The PrimeLOC® Overdenture Attachment System is based on one of the most widely recognized overdenture attachment designs worldwide. It provides a stable, durable, and cost-efficient solution for implant-retained overdentures. The Dyna version features an additional hexagonal screw-in mechanism (Dyna Hex), allowing easy insertion and removal of the abutment.

Biocompatible Ceramic PVD Hard Coating

PrimeLOC Dyna abutments are coated with a hard, biocompatible ZrCN (zirconium carbonitride) PVD layer.

Key features:



- Zirconium surfaces show about 50% less plaque affinity than titanium, reducing the risk of soft tissue inflammation.
- A special bonding layer and five graded intermediate layers ensure strong adhesion between the titanium base (Grade 5) and the ceramic top layer, providing high durability and wear resistance.



Straight Abutments

Straight abutments feature the integrated Dyna Hex mechanism, enabling easy insertion and removal using the appropriate driver:

- Dyna Hex Driver (5181..)
- PrimeLOC Tri-Lobe Driver (A0022.P or A0023.P)
- Locator Square Driver 15 mm (8926)

Final tightening must be performed using a torque wrench at 35 Ncm.



Abutments with an 18° Angulation

The 18° angled abutments can correct implant divergences of up to 65°, making them suitable for a wide range of clinical situations.

These abutments use the Dyna Octalock connection and are attached to the implant with the PrimeLOC retaining screw M1.8 for Dyna (A0140), which can be placed or removed using the Dyna Hex Driver.



PrimeLOC Abutment Dyna

Straight abutments: available in cuff heights 1, 2, 3, 4, and 5 mm.

18° angled abutments: available in 1 and 3 mm.

Dyna PrimeLoc abutment with octa (35Ncm)

Art. no	DY0001.H.P	DY0002.H.P	DY0003.H.P	DY0004.H.P	DY0005.H.P	DY0701.H.P	DY0703.H.P	A0140.P
Height on PF4.0	1	2	3	4	5	1*	3*	*

* A0140 is delivered with angled abutments DY0701.H.P and DY0703.H.P

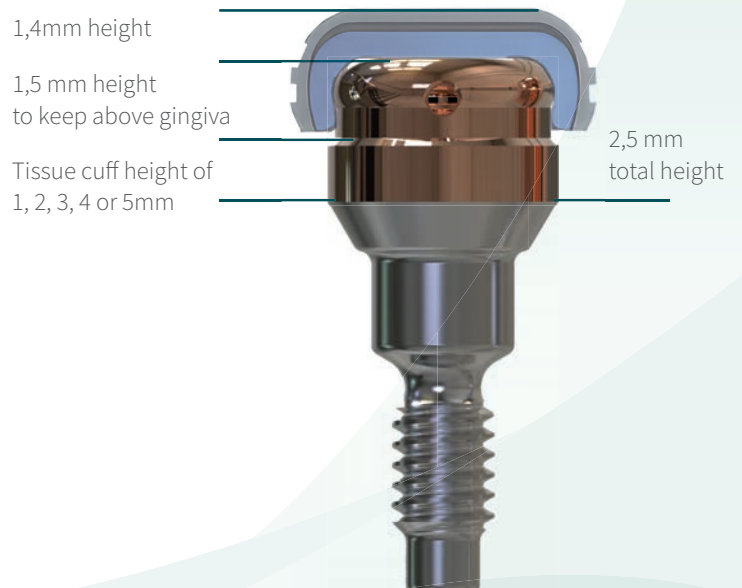
Cuff Height Selection

Measure the gingival height from the top of the implant using a periodontal probe. Select the cuff height that best matches the measurement:

- 3 mm measurement → 3 mm cuff height
- 3.5 mm measurement → 4 mm cuff height

Approximately 1.5 mm of the abutment will extend above the gingiva to allow proper seating of the prosthesis without tissue impingement.

The same measurement method applies to angled abutments.

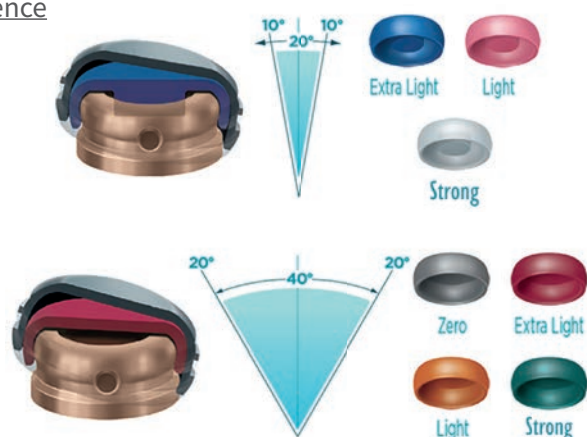


Retention inserts

Retention inserts are a critical component of any overdenture attachment system, and it is vital that their performance remains consistently high to maintain patient satisfaction. The indispensable expertise of experienced engineers ensures that the performance and functionality of PrimeLOC retention inserts meet or exceed your expectations. The retention values of this type of nylon insert are comparable to those of the Zest Locator.



Colour		Retention	g/N	For Divergence
Blue		Extra-light	700g/7N	0° - 10°
Pink		Light	1200/12N	0° - 10°
Clear		Strong	2200/22N	0° - 10°
Grey		Zero	0	
Red		Extra-light	600g/6N	0° - 20°
Orange		Light	1000g/10N	0° - 20°
Green		Strong	1900g/19N	0° - 20°



PrimeLOC Bar abutment

For custom-made bars, a bar abutment with a 2.0 mm thread is available. It can be used to provide additional retention.



A0102.S.P



Instant Adjusting Bar®

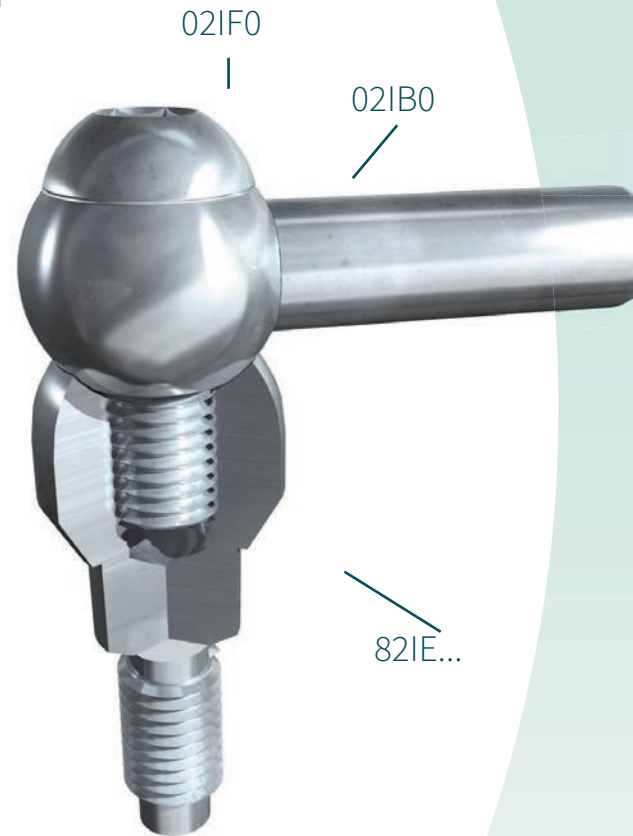
The ready-to-use, pre-fabricated titanium bar adjusts itself automatically:

- 100% Stress-free construction
- No casting, soldering, laser welding, or scanning required
- Significant reduction in cost and time
- Fully fabricated from titanium
- Simple clinical and laboratory procedure

Dyna Instant Adjusting Bar®

The new patented, prefabricated Dyna Instant Adjusting Bar® adds a new dimension to prosthetic constructions of bar-supported overdentures in implantology. It can be placed directly and without any tension on any pair of (non-)parallel implants or implant analogues on the working model. The ready-to-use, prefabricated titanium bar automatically and completely stress-free adapts to the position of the implant or analog when the attachment screws are tightened.

The laboratory can immediately fabricate the entire superstructure with the retention parts without having to worry about the fit of the bar construction in the patient's mouth. This system significantly reduces the time and costs for the dentist, dental technician, and patient.



Indications

The Dyna Instant Adjusting Bar® can only be used in combination with two implants. However, it is possible to fabricate overdentures supported by, for example, two bars. The position of the implants is very important, because the bar system cannot be adjusted to labial or lingual. The use of a drill guide is recommended.

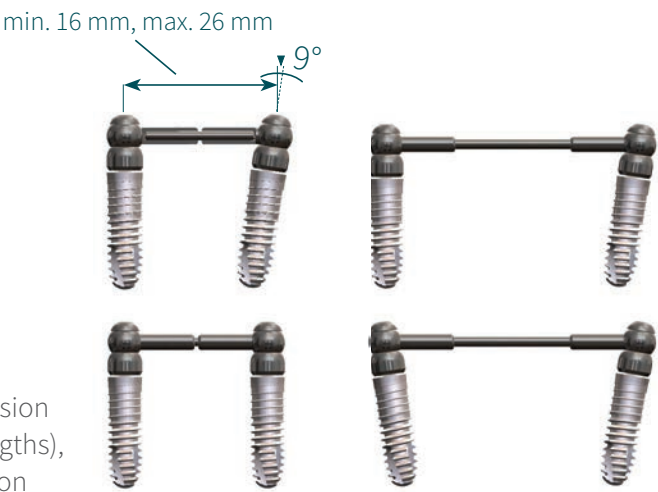
Contra-Indications

- Unfavorable lingual labial position of implants
- Implants placed at a distance of < 16 mm or > 26.5 mm from each other



How does it work?

The concept of the patented Dyna Instant Adjusting Bar® System is based on a simple joint-like connection. The bar can adjust its length automatically, and the joint provides a stress-free fit on (angulated) implants of up to 18 degrees.



The Dyna IA Bar® system

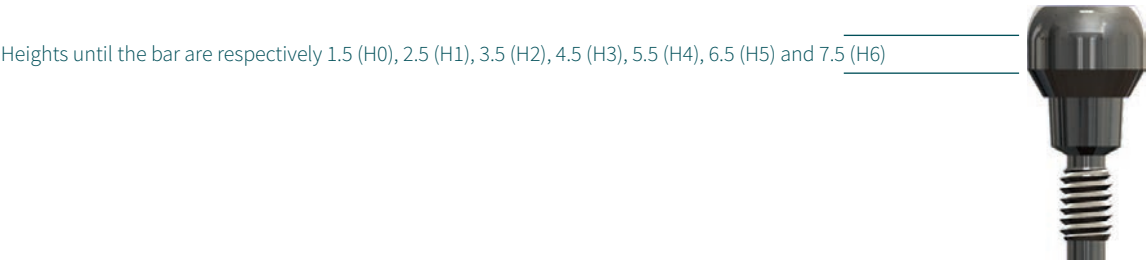
The system consists of universal bar joints, extension abutments (available in various transgingival lengths), a round-shaped bar, and fixation screws. Extension abutments are available in lengths from 0 to 6 mm.

Instant Adjusting Bar set (30Ncm)		
IA Bar	Description	Art. no.
	Instant Adjusting Bar set contains:	09IS0
	Instant Adjusting bar fixation screw 2 pcs.	02IF0
	Instant Adjusting bar joint 2 pcs.	02IB0
	Instant Adjusting bar round	02IR0
	Items are also available separately	

Instant Adjusting Bar octa extension abutments

I.A. Bar extension abutments should be tightened to the implants to 35 Ncm using a torque wrench and the Dyna Single Slot Driver. A cover screw (02IC0) is included and should be tightened to 15 Ncm.

Instant Adjusting Bar extension abutments (35Ncm)								
Art. no	02IC0	82IE0	82IE1	82IE2	82IE3	82IE4	82IE5	82IE6
Height on PF4.0		0	1	2	3	4	5	6



Extension Level Extension Abutment Octa

The Extension Level Extension abutments can be used at the implant level and in combination with special abutments, such as ball abutments (82EB0C). They are also suitable for CAD/CAM bar constructions.

The Extension Level Extension Abutment 89EO5 has the same internal connection as an implant and is therefore available for increasing the height of existing abutments (Dyna Ball and PrimeLOC).

These types of extension abutments must be screwed in using an Octa Driver (12OT0 or 12OT1) with 35 Ncm.

These abutments are delivered with a cover screw. The soft tissue can be left undisturbed to optimize healing. Meanwhile, a bar or other construction can be fabricated. The Extension Level Extension Abutments remain in position until the final abutment or construction is placed. For the abutment with Octa, a standard cover screw (84000) is used. For abutments without Octa, the Extension Level Cover Screw (82EH0) is used. Both cover screws should be tightened to 15 Ncm.

Extension level extension abutment octa incl. cover screw								
	With octa		Without octa					
Art. no	89EO5*	84000	89EL2	89EL3	89EL4	89EL5	89EL6	82EH0
								
Height on PF4.0	5		2	3	4	5	6	

The Extension Level Extension Abutments without Octa must be screwed in using the Single Slot Driver (5081S).

For the fixation of abutments on Extension Level Extension Abutments (82EL and 89EL), two fixation screws of different lengths are available (82ES0 and 82ES1).



Fixation screws (30Ncm)		
	Description	Art. no.
	Extension level abutment screw	82ES0
	Extension level abutment screw long	82ES1

Dyna Magnet System

Since 1985

- No activation required:
- Permanently stable retention
- No impression or laboratory auxiliary elements needed
- Less critical parallelism
- Rebasing procedure is the same as for a standard denture
- Very easy dental hygiene for the patient
- Vertical load on the post elements
- Limited laboratory costs
- Simple and reliable

The Dyna Magnet System was the first revolutionary magnetic anchorage system on the market and has been specifically developed as a magnetic attachment for retaining root prosthetics on natural abutment teeth or implants.

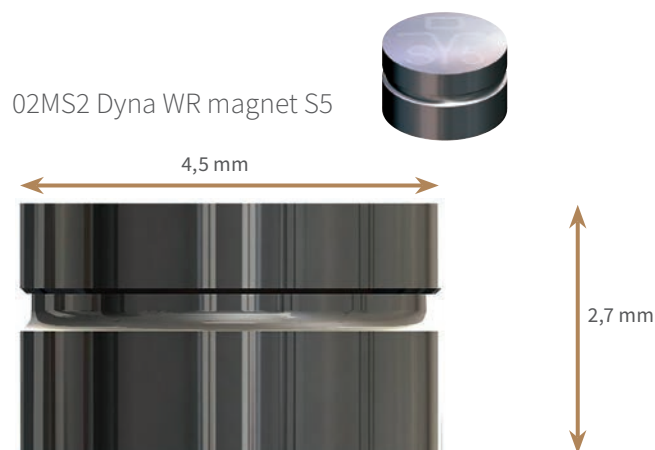
Magnetically retained overdentures transfer no harmful lateral forces to the supporting elements, helping to maintain a favorable clinical situation.



Dyna WR magnet

Dimensions

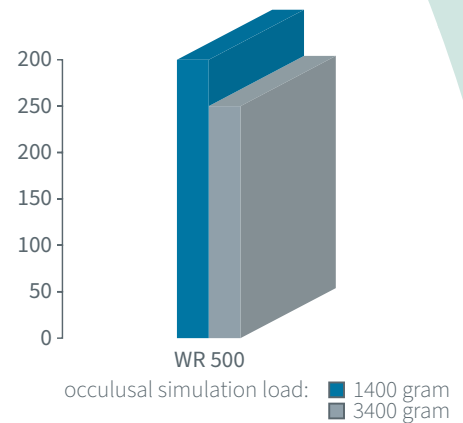
WR Magnets are sealed using the latest laser technology, manufactured with the aid of CAM lathing machines, and feature an internal retention part (5-year guarantee).



Dyna WR Magnets are manufactured using CAM lathing machines. This process allows the magnet encapsulation to be shaped in hardened surgical steel, making the finished product highly wear-resistant. The use of the latest laser technology prevents any undesired leakage^{7,11}. The materials used ensure permanent magnetic retention.

The magnets are available in a small size with a height of 2.7 mm and a diameter of 4.5 mm. The magnet encapsulation has been intentionally made very thin; therefore, the magnets must never be polished or cut.

Wear Resistance Test



Dyna System

A directly applicable magnetic anchoring with Dyna alloy

A magnetic attachment for both partial and full overdentures supported by natural teeth. The system is very easy to use and resembles pre-fabricated core-post systems. After endodontic treatment, the abutment tooth is decoronated, and the final preparation is made with the lowest possible bevel.

The system consists of:

Precious Dyna EFM alloy^{4,5,6,7,8} and magnets.

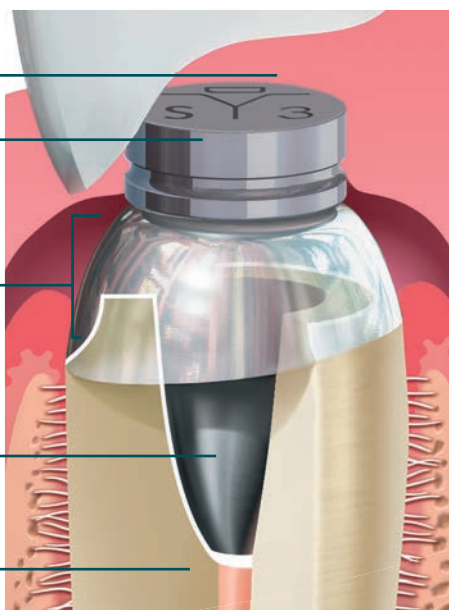
Denture

Magnet

Root cap

Cement

Root



Dyna System

- Precious Dyna EFM alloy
- Powerful, biocompatible WR magnets, supplied in different types

The Dyna WR magnet is available with a height of 2.7 mm and a diameter of 4.5 mm.

Dyna magnets	
Art. no	02MS2
	
Diameter	S5 4,5
Height	2,7

Dyna EFM alloy

Precious Dyna EFM alloy can be re-molded multiple times.
The alloy is available in packages per gram.

2120



Multi - Unit

For multiple-unit, screw-retained restorations such as bridges, bar overdentures, and hybrids:

- The 1-day immediate loading solution for edentulism
- Options for a full arch on 4 or 6 implants
- Provides restorative flexibility due to a wide range of components
- Enables optimal aesthetics with precision-milled Dyna CAD/CAM structures
- Uses Dyna All-Fit-All Abutments in 0°, 17°, and 30° with a Dyna Octalock® connection for the angled abutments



Why Multi-Unit

For several reasons, the ideal prosthetic placement of an implant is not always feasible. Factors such as available bone, tissue biotypes, and the location of vital structures often prevent the implant from being positioned strictly in an apical-coronal direction or at uniform gingival depths across an arch when multiple implants are placed.

For partially or fully edentulous patients, varying implant depths and angles can result in screw access holes appearing on the facial aspect of the final prosthesis. Dyna Multi-Unit Abutments provide a powerful, component-based protocol to standardize the required angle and level the prosthetic platform.

Dyna Multi-Unit Abutments are available in several collar heights (for the straight version) to achieve the optimal platform height. Angled versions of 17° and 30° allow the laboratory to compensate for implant divergence within the Multi-Unit Abutment system and create a unified path of insertion for the final prosthesis, as seen in popular all-on-four or all-on-six treatment

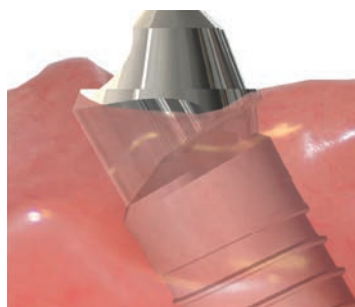
By utilizing Dyna Multi-Unit Abutments to address both the angle of the seated implant and the depth of each placement site, optimal esthetics can be achieved.

An assortment of Multi-Unit accessories further standardizes and simplifies the restorative process. Regardless of the system, achieving a common restorative platform and a harmonious path of insertion across multiple implants frees laboratories from the limitations imposed by divergent implant placement. This allows dentists and dental surgeons to pursue the best possible prostheses and protocols that modern technology has to offer.

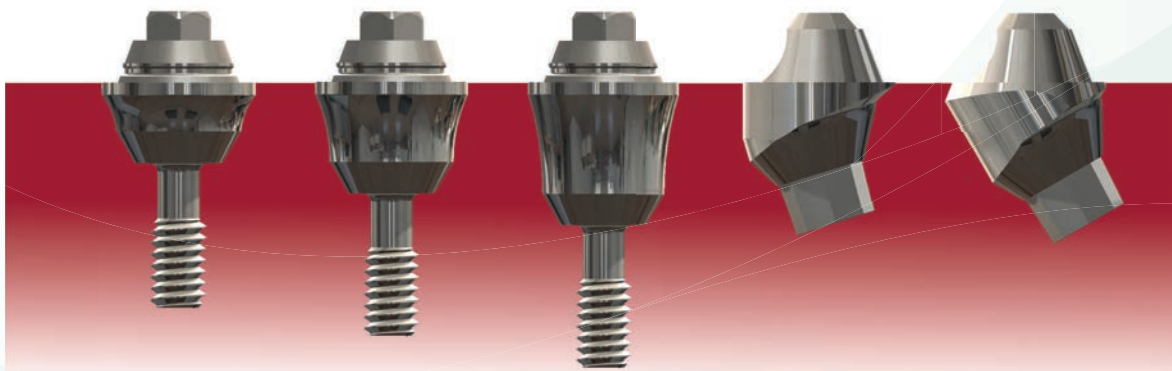
In addition to standard products, options such as a Dyna CAD/CAM Bar or Wrap-Around Bridge are also available.



Multi-Unit abutment 0°
Heights 15mm, 25mm and 35mm

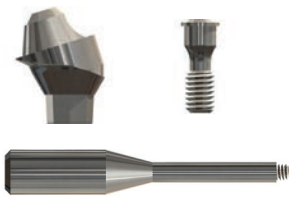
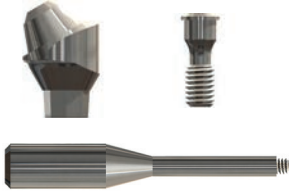


Multi-Unit abutment 17° height 25mm
Multi-Unit abutment 30° height 35mm



Dyna Multi Unit abutments

An assortment of Multi-Unit accessories further standardizes and simplifies the restorative tighten abutments at the implant level to 35 Ncm. Tighten the prosthetic screws to 15 Ncm, and seat the impression copings manually.

Multi-Unit				
Multi-Unit set	Description	Height on PF4.0	Art. no.	
	Multi-Unit Abutment 17° Incl. abutment screw and positioning tool	2.5	88A173	
	Multi-Unit Abutment 30° Incl. abutment screw and positioning tool	3.5	88A304	

Multi-Unit				
Multi-Unit Products	Description	Height on PF4.0	Art. no.	
	Multi-Unit Abutment 0°	1.5	88A02	
	Multi-Unit Abutment 0°	2.5	88A03	
	Multi-Unit Abutment 0°	3.5	88A04	
	Multi Unit Abutment Driver LH To be used for straight abutments		18AL	
	Multi-Unit Abutment screw for angled abutments 88A173 and 88A304		88AS	
	Multi-Unit Healing cap incl. screw (15Ncm)		88HCS	

Impression taking Dyna Multi Unit

With Multi-Unit Abutments, impressions can be taken using either a closed- or open-tray technique. Please refer to the manual for the exact procedure.

Multi-Unit		
Impression MUA	Description	Art. no
	Multi-Unit Impression Coping open tray	88IC0
	Multi-Unit Impression Coping closed tray	88IC
	Multi-Unit laboratory analog	88IA
	Multi-Unit prosthetic screw with hexagon Tighten with 15Ncm	88PSH
	Multi-Unit cast to cylinder POM without screw	88CC
	Multi-Unit Bonding Ti Base without screw.	88BB
	Multi-Unit temporary abutment without screw	88TA

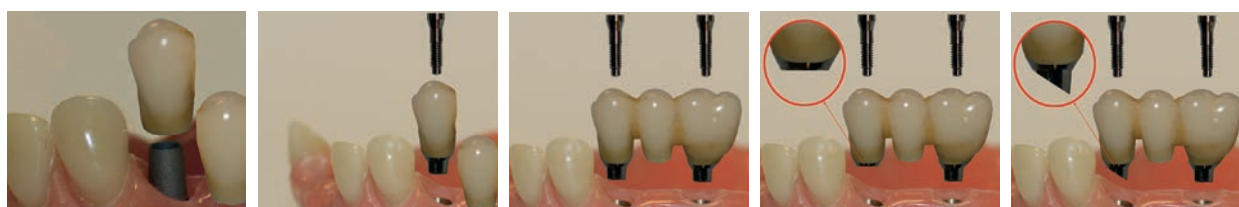
Fixed prosthetic solutions

Fixed prosthetic solutions with Dyna Helix implants

Several abutment systems for both cementable and screw-retained fixed prosthetics on Dyna Helix® implants are available. Optimal aesthetics can be easily achieved by customizing different abutments:

- Temporary abutments
- Straight abutments
- Angled abutments
- Anatomic abutments
- Universal abutments

Crown and bridge constructions can be created in various ways: temporary, cemented, or screw-retained. When implementing a screw-retained construction, it is recommended to use the internal Dyna Octalock® system due to occlusal and jaw forces. This can be achieved by combining abutments with an octagon (engaging) and without an octagon (non-engaging). It is also possible to create constructions using only octagonal abutments, although this may require certain adjustments to account for the inclination.



Cemented crown on a straight abutment

Screw retained crown

Screw retained bridge
2 x octagon

Screw retained bridge
1 x octagon
1 x removed octagon

Screw retained
1 x octagon
1 x modified octagon

Temporary abutments

The Dyna Direct Temporary Abutment Octa is available in two types:

- Straight for crowns (89TA2), including cap
- Conical for crowns and bridges (89TA3), including cap

The regular Temporary Abutment is available with or without Octa and is delivered with a universal abutment screw (81AS0).

Temporary abutments (35Ncm)			
	Description	Height on PF4.0	Art. no.
	Temporary abutment without octa, incl. fixation screw		81TA0
	Temporary abutment with octa, incl. fixation screw		81TA1
	Direct temporary abutment octa straight, for crowns. incl. cap		89TA2
	Direct temporary abutment octa conical, for crowns and bridges. incl. cap		89TA3

Universal abutment screw

Almost all abutments for fixed constructions are delivered with the fixation screw 81AS0.



Titanium Straight abutments and Angled abutments

Titanium Straight and Angled (18°) abutments are individually grindable, allowing the chamfer line to follow the gingiva and enabling anti-rotation for the crown.

All abutments are delivered with a universal abutment screw (81AS0).

The Straight Abutment (81ST0) and Angled Abutment (81AA0) have been specifically developed for Dyna Helix™ implants.

The design of both the straight and angled abutments has been updated from a convex to a concave-shaped body. Also see information on [page 18](#)



concave shaped



convex shaped

Abutments Fixed crowns Concave shaped (35Ncm)									
	Straight Abutments CS				Angled 18° Abutments CS				
Art. no	81ST0	81ST1T	81ST2T	81ST3T	81AA0	81AA1T	81AA2T	81AA3T	
									
Height on PF 4.0	0	1	2	3	0	1	2	3	

Tibase abutment

The TiBase Abutment serves as a universal base for attaching mesostructures. Its design is based on Sirona systems and can therefore be used in combination with Cerec® and the Sirona Scanbody Bluecam L (6431303) or Omnicam L (6431329).

It is delivered with the abutment screw (81AS0).



81BA

TiBase abutments (35Ncm)

	Description	PF for crown	Art. no.
	TiBase abutment octa H0, incl. fixation screw	4.0	81BA
	TiBase abutment octa H1, incl. fixation screw	4.3	81BA1
	TiBase abutment octa TM, incl. fixation screw	4.8	81BA0
	TiBase scanpost octa H0, incl. fixation screw - only for use in combination with 81BA		81BAL

Also see information on [page 18](#).

Dyna also offers the TiBase ScanPost (81BAL). For the final restoration, the original TiBase Abutment (81BA) must be used. The system is compatible exclusively with Sirona Cerec®



Platform size for crown

Ø 4.0



Ø 4.3



Ø 4.8



A dentist using Cerec® software in your dental practice. Use:

- NB RS 3.5 for TiBase abutments 81BA and 81BA1
- SSO 4.8 L for TiBase abutment 81BA0

For laboratory use, get the Dyna TiBase library via our website or sales department

Universal abutment

The castable sleeve can be prepared and adjusted to any desired shape. It is delivered with the abutment screw (81AS0).

Material: POM, suitable for casting in any precious or non-precious alloy

Melting range: 1340°C – 1470°C

Thermal expansion coefficient (25–500°C): 13.0 µm/m·K

POM must be burned out for 20 minutes at a minimum temperature of 260°C and a maximum of 300°C. It is recommended to heat the oven at a maximum rate of 30°C per minute. Burning out the POM faster than recommended may result in porous castings.

Universal abutment		
	Description	Height on PF4.0 Art. no.
	Universal (castable) Plastic abutment octa (POM), incl. fixation screw	81UP1S

Custom-made devices with CadCam

Accurately Manufactured, Custom Titanium Bars and Abutments

- Precision product
- Biocompatible Titanium Grade 5 ELI
- Tension-free fit
- Durable and strong
- Manufactured in the Netherlands

How it works?

As an implant manufacturer, Dyna Dental Engineering combines advanced techniques with a high degree of craftsmanship. The Dyna Scan Center team is experienced in customizing and milling substructures, aiming to deliver only high-quality products.

You have the option to create an individual design for your patient by purchasing a scanner equipped with scan and design software.

Alternatively, you can partially or entirely outsource the design to the Dyna Scan Center. The design software is compatible with CAD/CAM structures for almost all implant brands.

These can be delivered with CE-marked fixation screws. In combination with a CAD/CAM bar, the corresponding female parts from Cendres+Métaux can also be provided, custom-made to size. All conventional bar forms are available.

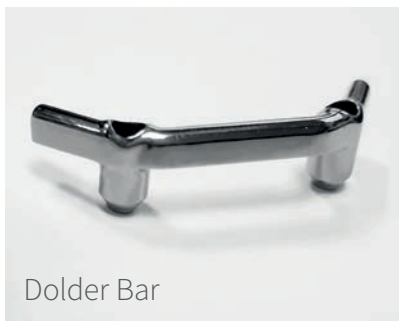
Various types of custom made devices

When it comes to milling, almost no construction is impossible. Naturally, we aim to deliver excellent quality, and every product is designed and manufactured in consultation with the customer. The range of superstructures is extensive, primarily including bars, screw-retained constructions, and abutments.

Abutments



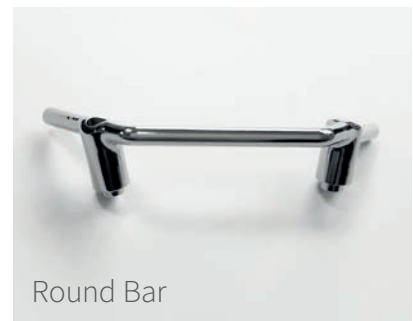
Bars



Dolder Bar



Preci Horix Bar



Round Bar

Screw-retained constructions



Implant bridge Titanium



Bar (Hybride/Wrap around)

CE marked fixation screws

Custom-made products can be delivered including CE marked fixation screws.

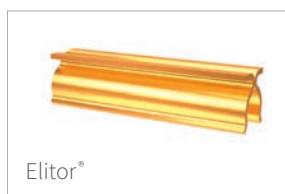


Dolders/riders

In combination with a CAD/CAM bar, delivery of the corresponding Cendres+Métaux female parts is possible. All conventional bar forms are available.



Name	Colour	Material contents						
		Au%	Pt%	Pd%	Ag%	Cu%	Ir%	Other + ≤ 1%
Elitor	Yellow	68.60	2.45	3.95	11.85	10.60	0.05	Zn 2.50
Doral	Light grey	15.00		22.00	49.30	13.70		



Infraframes

Infraframes to reinforce the prosthesis are also part of the range. Infraframes can be made with or without covering the female parts, and the screw holes remain accessible at all times. For the upper denture, a deluxe version with a metal rim is available, with or without a notch. A pink coating is also possible.

Options:

- Infraframe covering the female part (INFCOV)
- Infraframe with uncovered female parts (INFUNC)
- Deluxe infraframe with metal edge (upper prosthesis) covering female parts (INFLUXC)
- Deluxe infraframe with metal edge (upper prosthesis) with uncovered female parts (INFLUXU)
- Deluxe infraframe with metal rim (upper prosthesis) with notch (INFLUX)



Infraframe covered



Infraframe uncovered



Infraframe deluxe covered

your comfort is our goal!

Digital printing and processing

The following digital tools are available for taking digital impressions:

- Intra oral scan markers
- Scan abutments for the laboratory
- Laboratory analogues, which can be used in conjunction with printed models

Note: the digital Dyna library is required to use these products.

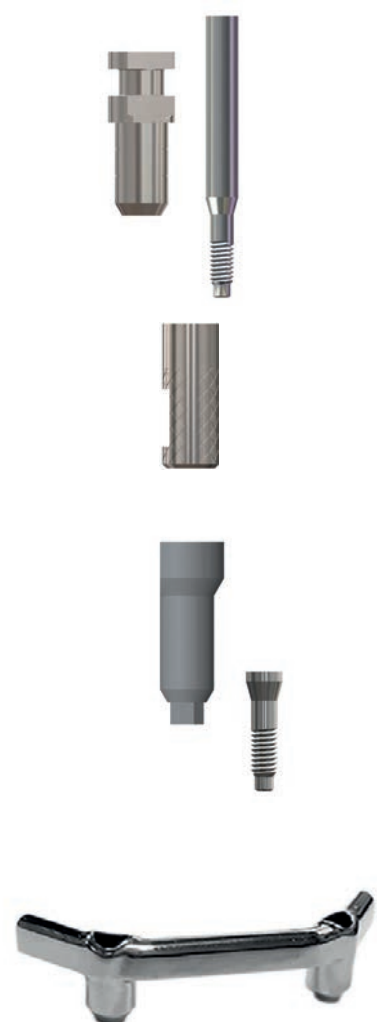
Crown and bridges
Intra-oral scanning
with printed model



Crown and bridges
Regular printing
scan on plaster model



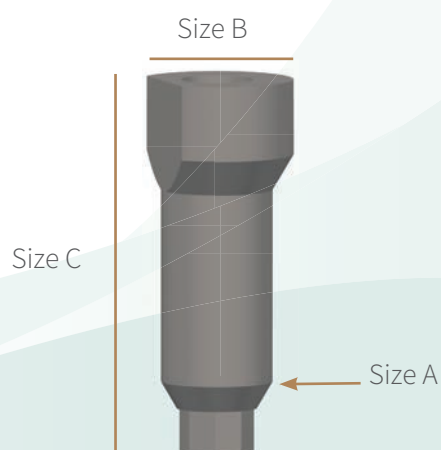
Bars / wrap-arounds
Regular printing
scan on plaster model



Digital tools - Intra Oral Scanmarkers

Intra Oral Scanmarkers (15Ncm)					
	Description	Size A* ¹	Size B* ¹	Size C* ¹	Art. no.
		Ø	Ø	H	
	Intra Oral Scanmarker Dyna Helix/ Octalock for Dyna Helix & Dyna Octalock & Extension abutments 82EO5/89EO5 All have the same Octalock connection	4,0	5,5	13,6	MSCABDH
	Intra Oral Scanmarker Dyna Extension Level for Dyna Extension Level abutments 82EL2/3/4/5/6 or 89EL2/3/4/5/6	4,0	5,5	11,95	MSCABDE
	Intra Oral Scanmarker Dyna Multi-Unit	4,8	6,0	8,0	MSCABDM
	Intra Oral Scanmarker Dyna Push-in 3.0 without Octalock connection	3,2	5,5	11,3	MSCABD30
	Intra Oral Scanmarker Dyna Push-in 3.6 without Octalock connection	3,6	5,5	11,5	MSCABD36
	Intra Oral Scanmarker Dyna Push-in 4.0/5.0 without Octalock connection	4,5	6,0	11,0	MSCABD40

*¹ Sizes explained in picture



Digitale tools - Print Implant Analog

Print Implant Analog					
	Description	Size D*2 Ø	Size E*2 Ø	Size F*2 H	Art. no.
	Print Implant Analog Dyna Helix/ Octalock for Dyna Helix DC/ST & Dyna Octalock & Extension abutments 82EO5/89EO5 All have the same Octalock connection	4,0	4,55	9,0	81PIA plastermodel: 81IA0
	Print Implant Analog Dyna Extension Level for Dyna Extension Level abutments 82EL2/3/4/5/6 or 89EL2/3/4/5/6	4,0	4,55	9,0	82PIA plastermodel: 82IA0
	Print Implant Analog Dyna Helix TM	4,8	5,25	12,20	83PIA plastermodel: 83IA0
	Print Implant Analog Dyna Multi-Unit	5,0	5,35	11,15	88PIA plastermodel: 88IA
	Print Implant Analog Dyna Push-in 3.0 without Octalock connection	3,0	4,55	9,0	31PIA30 plastermodel: 57810
	Print Implant Analog Dyna Push-in 3.6 without Octalock connection	3,6	4,55	9,0	31PIA36 plastermodel: 57812
	Print Implant Analog Dyna Push-in 4.0/5.0 without Octalock connection	4,0	4,55	9,0	31PIA40 plastermodel: 57811

*2 Sizes explained in picture



Digital tools - Blanks

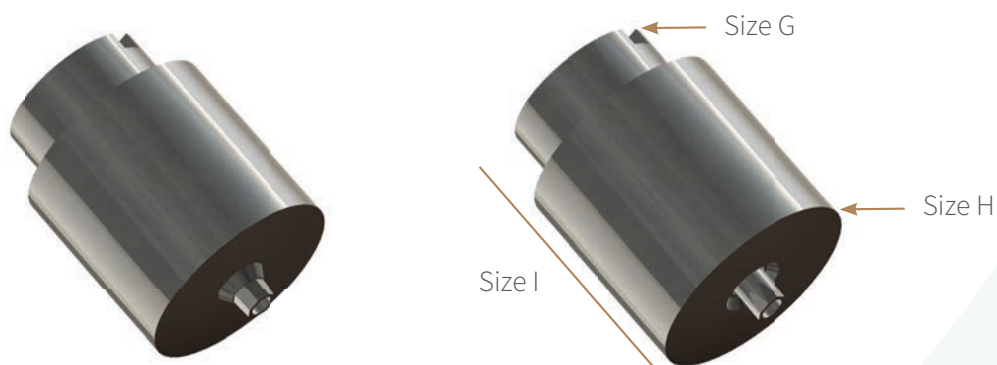
Original Dyna pre-milled abutment blanks for Dyna Helix implants are used by dental laboratories as raw material for the CAM fabrication of individually designed abutments. These blanks allow dental technicians to produce custom-made, one-piece titanium abutments in their own lab without compromising the quality of the connection or the performance of the restoration.

The blanks can be used in combination with the Medentika PreFace® abutment holder.

PreFace® abutment holders are now available for the following machine manufacturers: imes-icore® / Datron D5® / Wissner Gamma 202® / Röders RXD® / Dental Concept DC1 / DC5® / MB Maschinen Cobra Mill® / vhf camfacture AG® / Primacon PFM 24 mediMill / R + K / Sirona inLab MC X5. The PreFace abutment holders must be ordered directly from the machine manufacturer.

Blanks					
	Description	Size G* ³ Ø	Size H* ³ Ø	Size I* ³ H	Art. no.
	Blank Dyna Helix/ Octalock for Dyna Helix DC/ST & Dyna Octalock & Extension abutments 82EO5/89EO5 All have the same Octalock connection	11,5	15,8	20,0	81BL
	Blank Dyna Helix TM	11,5	15,8	20,0	83BL

*³ Sizes explained in picture



The blanks feature an original milled Dyna Octalock connection manufactured to exact tolerances, ensuring the best reliable fit from implant to restoration.

- Abutment blank 81BL can be used on Dyna Helix DC and ST implants and Dyna Octalock implants, all of which are equipped with the Octalock connection.
- Abutment blank 83BL is specially designed for Dyna Helix TM implants and connects to the outer diameter of the collar.

Implaclean

Implaclean® Toothpaste for Dental Implants

Implaclean® is a next-generation toothpaste based on the patented Ardox-X® technology. It releases radical-free active oxygen in a controlled manner, helping to maintain a fresh and clean oral environment. Implaclean® is non-abrasive, alcohol-free, and peroxide-free, making it suitable for both natural teeth and implant-supported restorations.

Key Features:

- Suitable for use on dental implants and prosthetic restorations
- Unique and patented
- Radical-free, safe active oxygen technology
- Contains lactoferrin
- Low fluoride concentration and neutral pH
- Non-abrasive, alcohol-free, and peroxide-free
- Helps control oral malodor
- Based on scientific research



Importance for oral hygiene

Daily oral hygiene is essential for maintaining healthy teeth and implants. Implaclean® supports regular brushing by helping to keep the oral environment clean and fresh. Its neutral pH and low fluoride concentration (~200 ppm F⁻) make it gentle on dental implants and restorations, while still supporting the overall maintenance of teeth.

Known Anaerobic Bacteria (Informational)

Certain bacteria in the mouth thrive in low-oxygen (anaerobic) conditions. While Implaclean® is not a medical treatment, it is formulated with active oxygen and lactoferrin to support a balanced oral environment. Examples of bacteria that can grow in low-oxygen conditions include:

- Actinobacillus actinomycetemcomitans
- Treponema denticola
- Porphyromonas gingivalis
- Prevotella intermedia
- Bacteroides forsythus
- Streptococcus mutans

implaclean®

Note: This list is for informational purposes only and does not imply that Implaclean® treats or prevents infections.

Active oxygen technology

Implaclean® contains radical-free active oxygen based on patented Ardox-X® technology. This technology releases oxygen in a controlled way, supporting the maintenance of a fresh oral environment. Combined with lactoferrin, a naturally occurring protein in saliva, Implaclean® helps maintain oral cleanliness and supports the daily hygiene routine.

Usage:

Brush teeth, implants, and restorations gently twice daily with Implaclean® as part of your regular oral hygiene routine.



Implaclean		
	Description	Art. no.
	15ml, 24pcs.	IMPLA15-24
	75ml, 1pc.	IMPLA75
	75ml, 24pcs.	IMPLA75-24

Distribution articles

We are a proud reseller of high-quality products from Cendres + Métaux, PrimeLOC, Align (iTero), W&H, Jakobi Dental, 2INGIS, DESSLoc and Zest Locator. As your one-stop shop for premium dental products, we help you consistently meet the needs of your patients.



Service

Customer and service oriented

All customers are visited regularly and their wishes and complaints are properly followed up. Customers can count on our full service treatment consisting of:

- Support in office development
- Educational courses
- Product information & technical knowhow
- Protocols for surgical, prosthetic and laboratory procedures

A Post Market Surveillance system (PMS) ensures close monitoring of product safety of a medical device in the market.

All employees are very knowledgeable about the Dyna product range and are able to support and help all users and patients. Everyone at Dyna Dental is subject to a comprehensive training program.

Thanks to worldwide services and guarantees patients can be treated on every continent if necessary. Dyna also keeps supporting products that have left the sales portfolio. This way even patients who got treated decades ago can be helped.

Guarantee

Dyna implants have a lifetime guarantee!

Guarantee on prosthetic components, crowns and all structures is valid for 10 years. One of the conditions is that the patient has visited their practitioner at least once a year, or as many times as the practitioner deemed necessary. Furthermore the patient should follow the treatment plan the practitioner sets for him/her.

Contact the account managers of Dyna Dental to inquire about all conditions. A guarantee of 10 years is offered on all CAD/CAM products made on third party implant systems. If the implant is lost after treatment, a Dyna Helix implant of choice is offered as replacement, completely free of charge. The necessary instruments will be made available to you for this treatment.

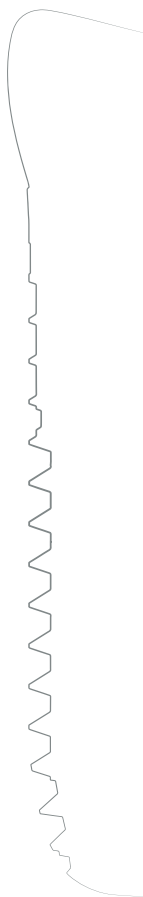
Caring for the patient

Certainty, reliability and expertise

Placing implants requires expertise and should only be done by oral surgeons and dental implantologists.

Quality for the patient will be ensured by:

- Qualified experts: Making sure each expert has all necessary skills.
- Qualified and fully certified implant system, meso- and supra structure: The implant system and all related products are supported by truthful claims.
- Informing the patient: Information about these treatments is provided to patients through open days, consumer fairs, and online platforms such as websites.



Dyna Dental Engineering B.V.
Vang 9
4661 TX Halsteren
The Netherlands

T. +31 (0)164 25 89 80
E. sales@dynadental.com
W. www.dynadental.com