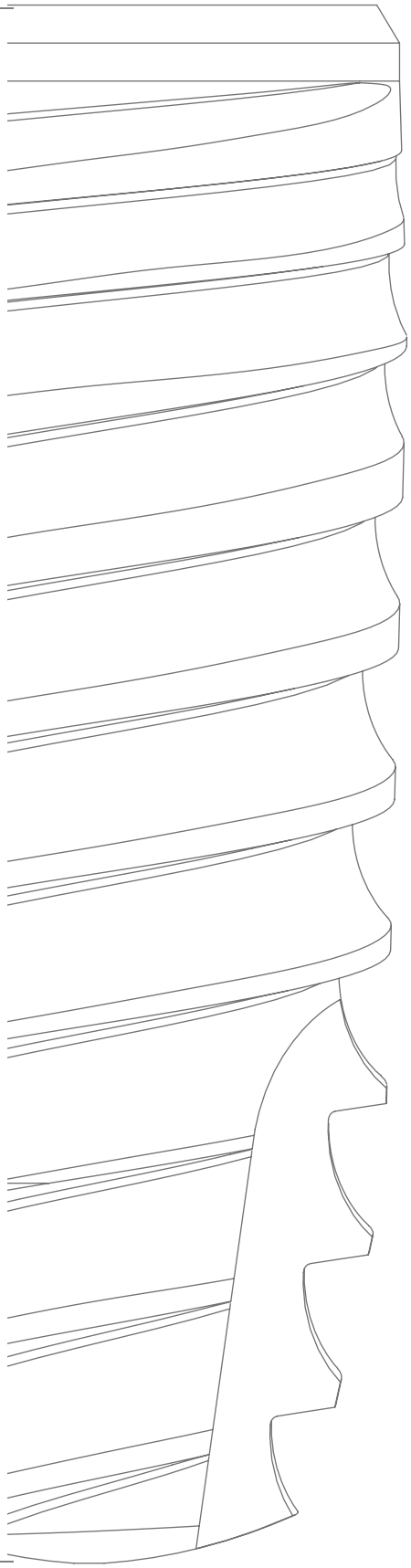
NOTCH®

DENTAL IMPLANT SYSTEMS

Product Catalog Vol.01

notchimplant.de

MADE IN GERMANY



NOTCH
DENTAL IMPLANT SYSTEMS

Contents

NOTCH® IMPLANT GmbH has its registered place of business in Germany and the devices bearing the CE marking in accordance with the **Council Directive 93/43/EEC of 14. June 1993 concerning medical devices** as amended maybe marketed in the Union.

Quality, safety and reliability since 1988.

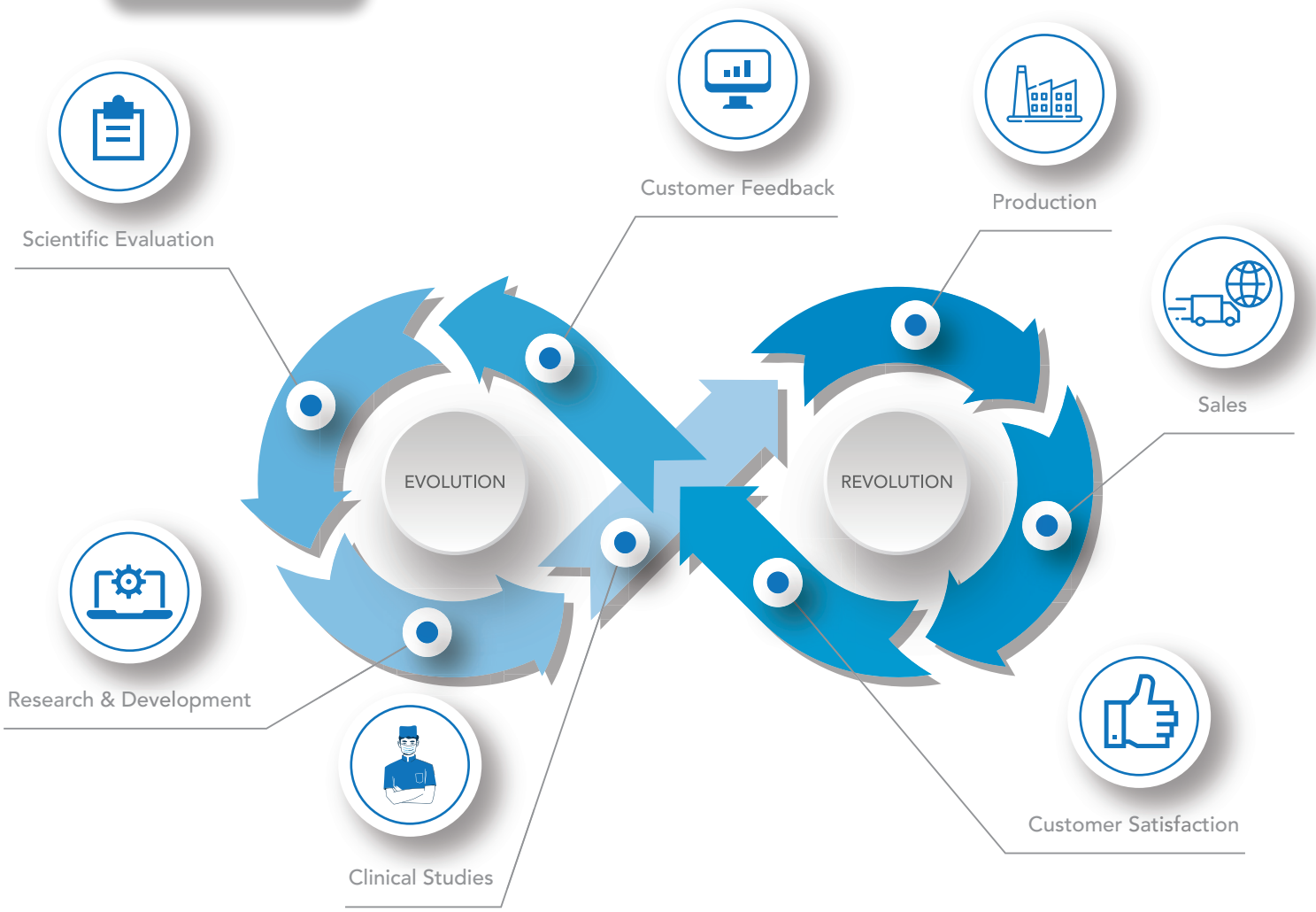
Our factory was established in 1988 and start manufacturing medical devices in 1991.

Our manufacturing tradition has brought us to excell in the production of high precision parts used in medical technology and the company has become one of the leading manufacturers in this field today. We have also applied our expertise in precision manufacturing in the field of dental implants and prosthetic parts since 2007.

As a recent product of decades of expertise, NOTCH® Implant will continue to develop with the principles of quality, product safety and reliability.

“YOUR OPINION **MATTERS!**”

NOTCH® listens to customer feedbacks to improve services and products continuously. NOTCH® values all opinions from professionals or end-users to involve them as part of future evolutions. Please share your opinions and be part of the evolution!



Reach us

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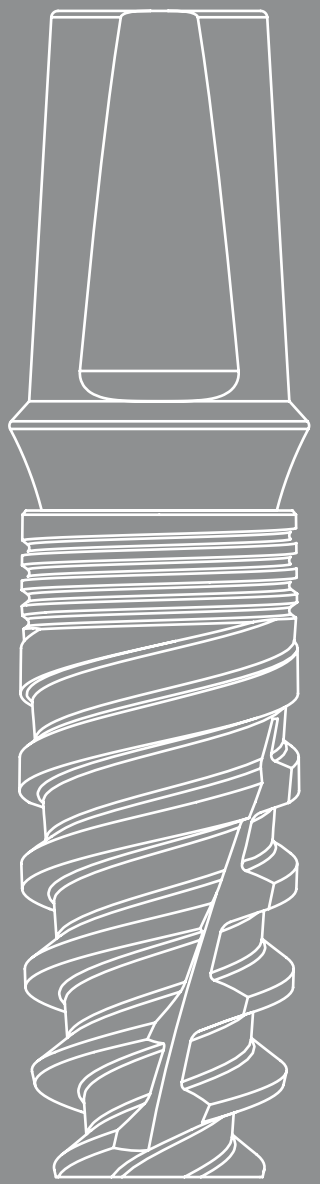
General Features

- IMPLANT Platforms
- Conical Connection
- CALCIOSS® Surface
- ONE-4-ALL Concept

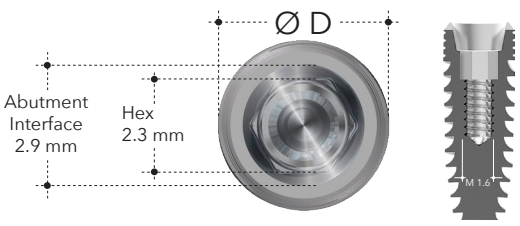


2 INTERNAL PLATFORM

NOTCH® engineers give priority to keep the mechanical strength of narrow platform implants with internal connection at the optimum level. Clinical results and our long-term mechanical tests have shown that it is safer to use a narrower prosthetic connection for the implants with Ø3 ~ mm diameter.

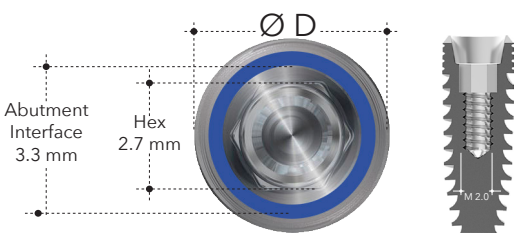
NP Narrow Platform
Conical Connection (NP)

	Ø3,3	Ø3,75
UNIQUE™		
SMART™		
SHORT™		



RP Regular Platform
Conical Connection (RP)

	Ø4,2	Ø4,7	Ø5,3
UNIQUE™			
SMART™			
SHORT™			



INTERNAL CONICAL
CONNECTION

INTERNAL CONICAL HEXAGONAL CONNECTION

The connection design ensures precise load distribution, resulting in an even distribution of forces and preventing microleaks.

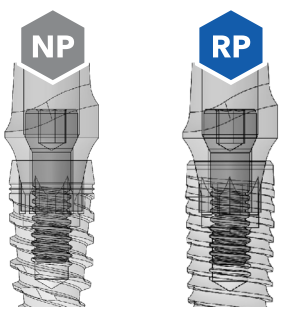
The hexagonal interlocking mechanism at the base of the connection guarantees secure positioning of abutments.

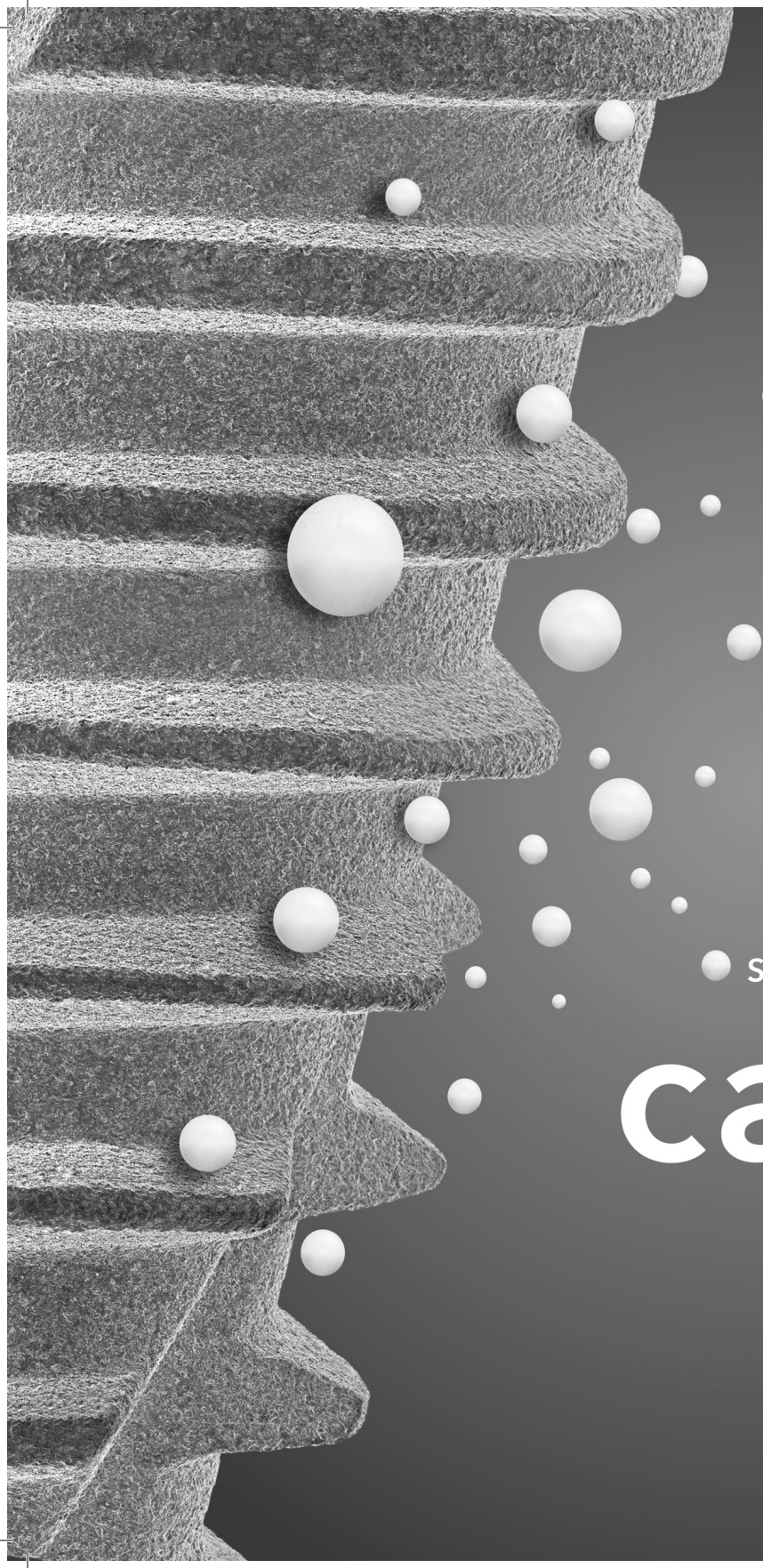
Additionally, the implant's internal conical connection, coupled with hexagonal interlocking, delivers a tight seal and exceptional mechanical strength.

All the NOTCH® implants share the same NP/RP connection properties.

NP NARROW PLATFORM CONICAL CONNECTION

RP REGULAR PLATFORM CONICAL CONNECTION





Excellent Purity

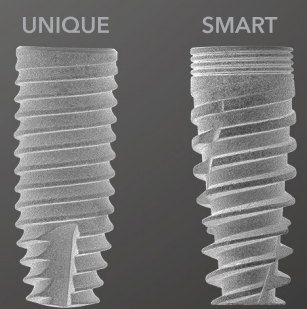
%100 Biocompatible

Biphasic Calcium Phospate

HA Hydroxyapatite %	**≥70**
Tricalcium Phospate % b-TCP, a-TCP , TTCP phases	**≤25**
Other CaP phases %	**≤5**

Superior Hydroxyapatite Surface Morphology

calcioss®



calcioss®

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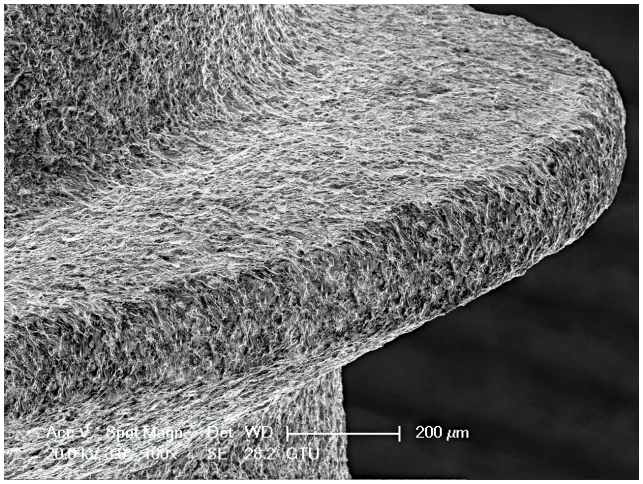
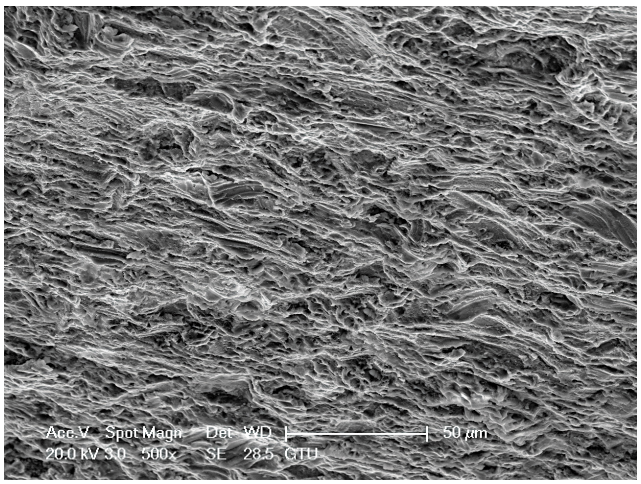


Perfect Homogeneity for Ideal Osseointegration: Achieving Optimal Outcomes

The concept of perfect homogeneity pertains to the consistent and even texture across the entire surface of the dental implant. This uniformity is crucial for several reasons. First, it ensures a predictable and stable interface between the implant and the bone, which is essential for successful osseointegration. A homogeneous surface reduces the risk of micro-movements and provides a solid foundation for the bone cells to adhere and grow.

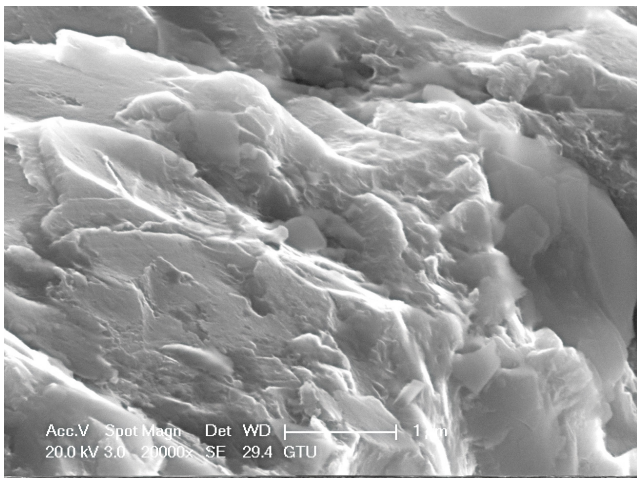


Calcioss® surface treatment enhances the surface topography for faster osteoblast proliferation.

For CalciOSS® surface treatment BCP (Biphasic Calcium Phospate) bioceramics consisting of hydroxyapatite (HA) and ß-TCP (beta-tricalcium phosphate), is used.

BCP comes in the form of abrasive particles and blasted by hi-tech robotic micro-blasting machine to obtain a biocompatible surface with ideal RA.

The surface's texture, porosity, and topography need to be meticulously engineered to promote bone in-growth and ensure a strong, long-lasting bond. Advanced manufacturing techniques and surface treatments are employed to create these optimal surfaces, ensuring that each implant meets the high standards required for successful integration and functionality



Homogenous Microblast Texture

> RA : 1.5 ~ 2.0 µm

Homogeinity and microtopography plays a key role during osseointegration in providing better BIC and cell proliferation. Robotic blasting guarantees perfectly homogenous surface with 1.5~2.0 µm RA.

Successful Clinical Performance

By employing acid-free processing which eliminates the risk of possible acid residue interferance in the healing process NOCTH® implant offers desirable clinical results for all surgical protocols and long term survival.

To streamline your implant applications, all NOTCH® products are thoughtfully designed based on the 'One-4-All' concept. This simplifies the workflow for both the surgical and prosthetic phases, while also reducing the storage space required for your product inventory.

ONE4ALL

ONE4ALL SURGICAL KIT

All NOTCH® Implant fixtures can be placed with the same surgical kit. Easy-to-navigate unique design gets the surgeon focus on the tools needed for a particular phase. A regenaration section is added to handle often needed bone augmentation procedures.

ONE4ALL PROSTHETICS

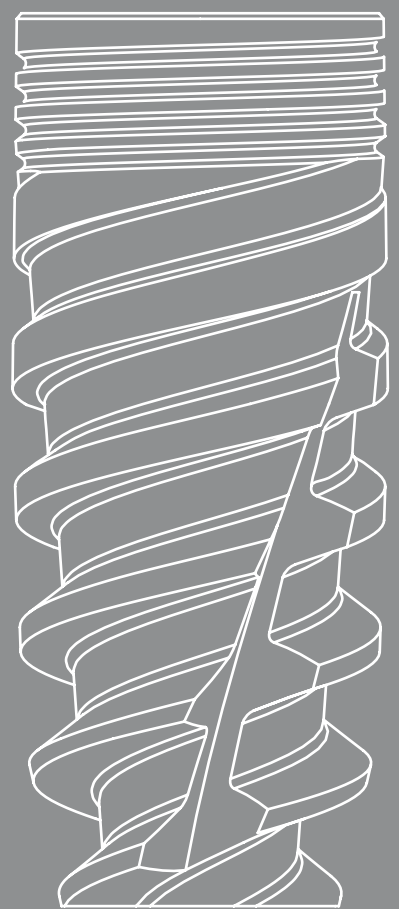
All prosthetics in NOTCH® Implant System are compatible with all NOTCH® implant models on the corresponding platform. Another easy-to-go solution with much less confusion to save time.

ONE4ALL ABUTMENT

All abutments in NOTCH™ Implant System are compatible with all NOTCH® implant types on the corresponding platform. In certain cases implants with different macroshapes might be needed in the same jaw. Being able to use different implant models in the same jaw with a single abutment line will provide great convenience for both the dentist and the laboratory.

Implants

- UNIQUE™ Implant
- SMART™ Implant
- SHORT™ Implant



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"EXCELLENT PERFORMANCE IN **IMPLANT DENTISTRY!**"

UNIQUE™ IMPLANT

With a rather conventional macroshape UNIQUE™ Implant is one-implant-to-go for all indications. The tapered form gradually compresses the underprepared osteotomy in loose bone wheras it fits nicely in regular osteotomy in harder bones. Easy drilling and surgical protocol makes it a user friendly implant with successful clinical results.

SMART™ IMPLANT

SMART™ Implant is the optimal solution for immediate implantation and immediate loading. Implant body and thread design condense bone during insertion, providing high primary stability particularly in compromised bone situations. The apex and body structure is fully compatible with the step drills in the surgical kit.

SHORT™ IMPLANT

SHORT™ Implant features an aggressive thread profile and a tapered body and designed especially for the cases where inadequate bone is present.

6 mm rough surface allows clinicians to avoid vital structures with confidence therefore to eliminate the need for grafting procedures that are complicated and slow to heal. 1.4 mm transgingival part makes it easier-to-use in posterior region.

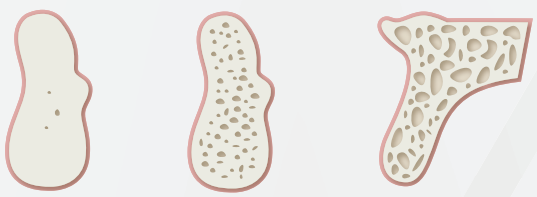
UNIQUE™ IMPLANT

Design Facts

UNIQUE™ Implant's tapered design gradually compresses the underprepared osteotomy in soft bone, while providing a snug fit in regular osteotomies in harder bone.

This user-friendly implant, with its straightforward drilling and surgical protocol, has consistently delivered successful clinical results.

Indication Priority



Bone Type D1 Bone Type D2 Bone Type D3

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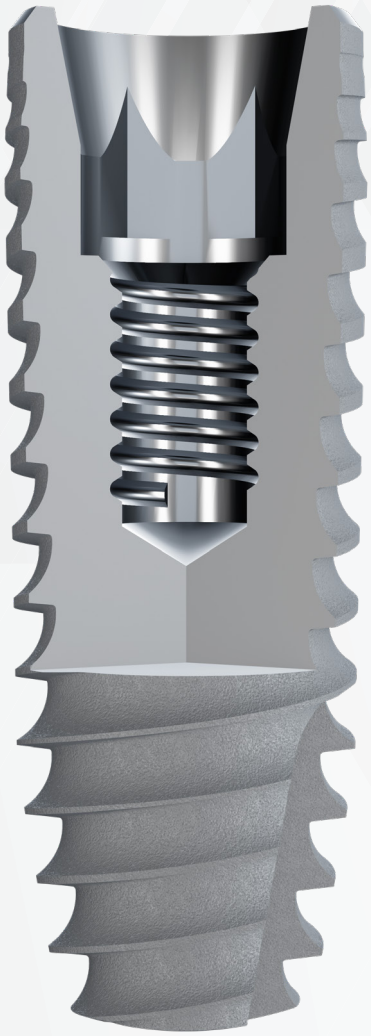
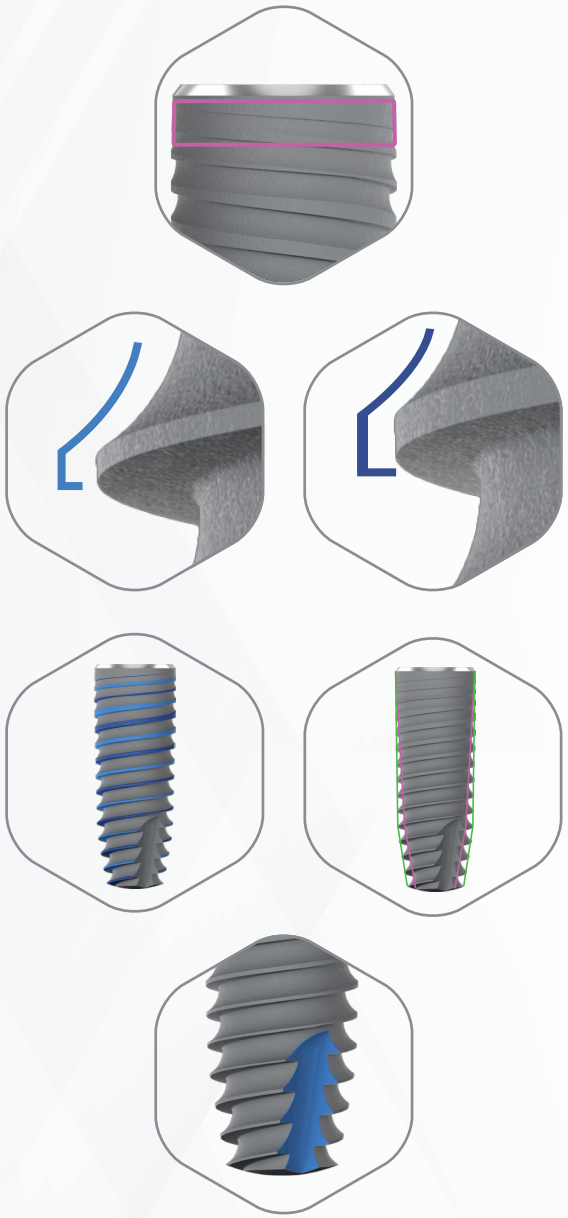
“COMFORT OF TIMELESS DESIGN!”





Slightly Back-tapered Neck

The inward neck design eliminates the need for wider drilling and ensures the preservation of cortical bone for the long-term success of the implant.

Combined Thread

The combined thread design of the implant gradually expands the bone, beginning with sharper threads and transitioning to ACME threads. This progressive expansion contributes to achieving a stronger primary stability for the implant.

Tapered root-like body

Ensures maximum bone-implant-contact in step-dirlled osteotomy.

Dual Contour

Coronal part & body:straight
Apical part: conical

Apical Cutting Edge

Facilitates smooth insertion in narrower osteotomies.

UNIQUE™ IMPLANT

Dimensions

*Actual sizes

NP	Length (mm)	Diameter (mm)	Ref. Code
	8	3.3	123308N
	10		123310N
	11.5		123311N
	13		123313N
	16		123316N

NP	Length (mm)	Diameter (mm)	Ref. Code
	8	3.75	123708N
	10		123710N
	11.5		123711N
	13		123713N
	16		123716N

RP	Length (mm)	Diameter (mm)	Ref. Code
	8	4.2	124208R
	10		124210R
	11.5		124211R
	13		124213R
	16		124216R

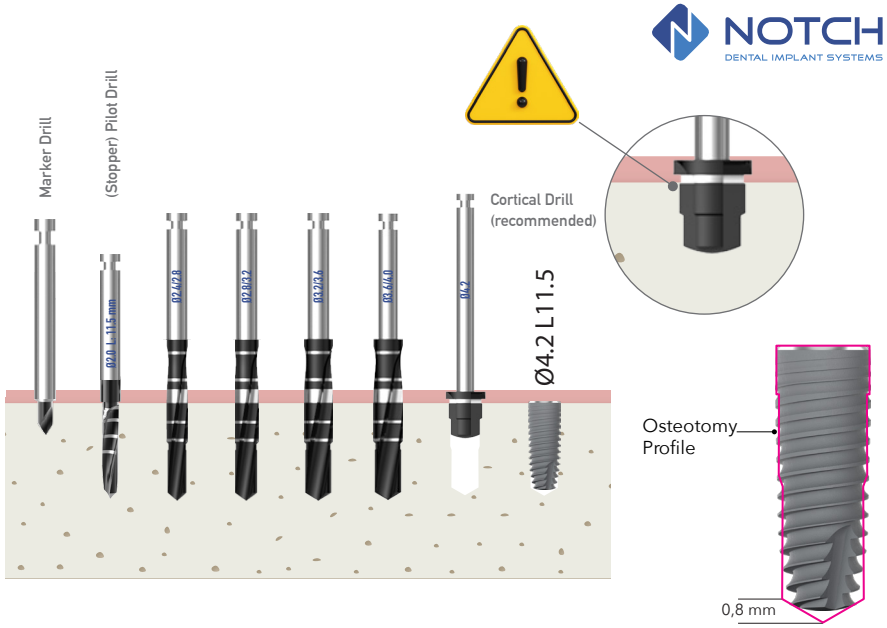
RP	Length (mm)	Diameter (mm)	Ref. Code
	8	4.7	124708R
	10		124710R
	11.5		124711R
	13		124713R
	16		124716R

RP	Length (mm)	Diameter (mm)	Ref. Code
	8	5.3	125308R
	10		125310R
	11.5		125311R
	13		125313R
	16		125316R

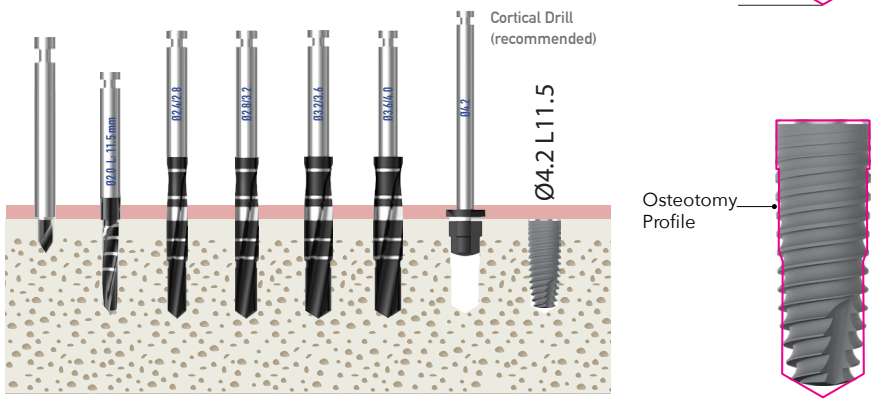
DRILLING PROTOCOL

UNIQUE™ Ø4.2 L11.5

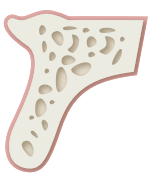
D1 Proceed drilling to "3.6 - 4.0 step drill" and finish with cortical drill. Place the implant 0.5 mm subcrestally.

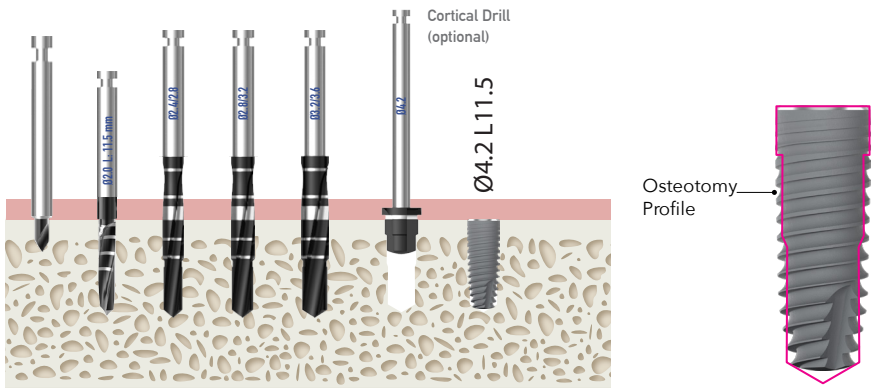


D2 Proceed drilling to "3.6 - 4.0 step drill" and finish with cortical drill. Place the implant 0.5 mm subcrestally.



D3 1 step narrower drilling protocol is recommended to have a better primary stability. Cortical drill can be used optionally to breakthrouh the cortical bone.





**The images here may differ from the actual product.*

SMART™ IMPLANT

Design Facts

SMART™ implant is primarily designed for immediate and early loading protocols in compromised bones.

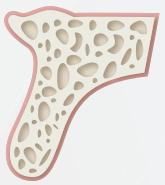
By following a flexible surgical protocol adjusted to the bone type ideal primary stability can be achieved.

Blade type apex and cutting edges enable you to readjust implant axis for optimal restorative orientation and esthetic results.

Indication Priority

Extraction Socket

Bone Type D4



Bone Type D3

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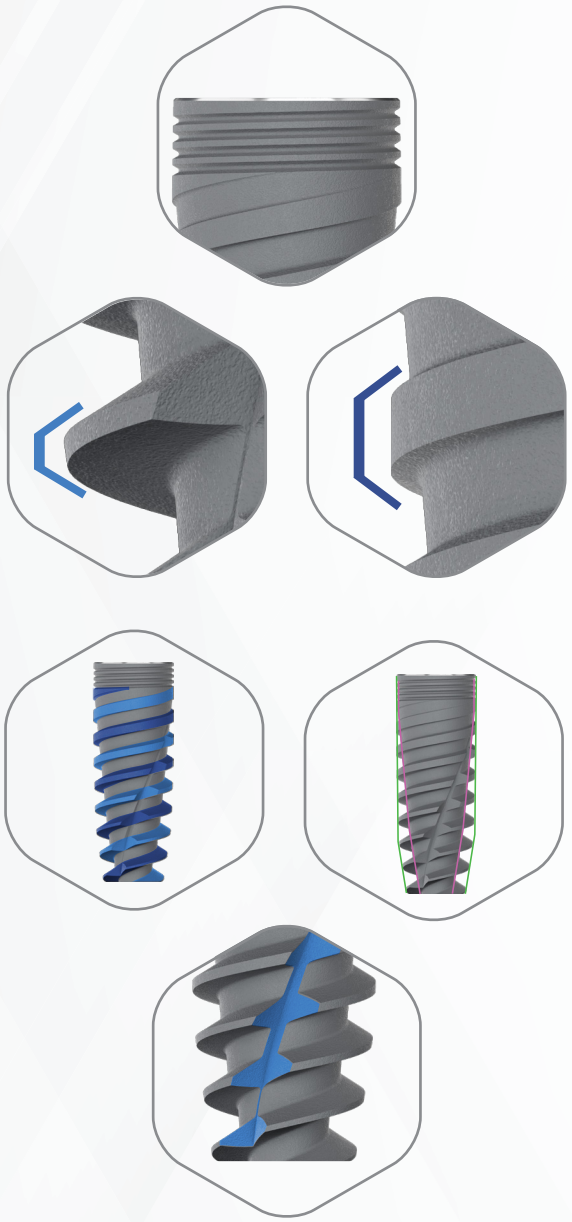
“FOR THE FANS OF **STRONGER GRIP!**”



Back-tapered Coronal Part & Micro Grooves

The slightly back-tapered design of coronal part eliminates the requirement for wider drilling, which helps preserve the cortical bone and contributes to the long-term success of the implant. The micro grooves reduces stress on the cortical bone and promotes the formation of circular bone structure.

Combined Thread

Gradually expands bone starting from sharper threads to ACME threads thus securing stronger primary stability

Tapered root-like body

Ensures maximum bone-implant-contact in step-drilled osteotomy.

Dual Contour

Coronal part& body:straight
Apical part: conical

Double-Helix Thread

for increased primary stability and decreased micromovements

Apical Cutting Edge

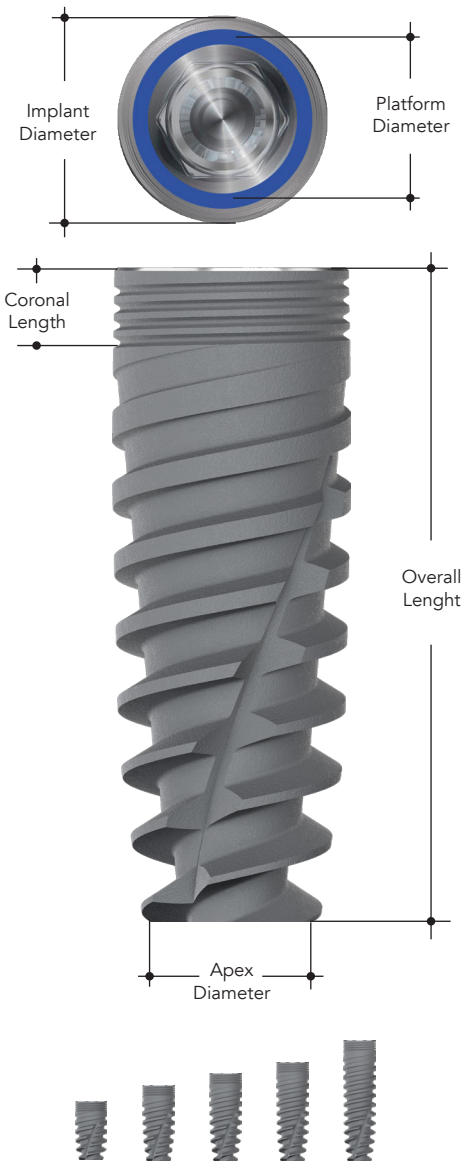
helps easy insertion in narrower osteotomy.

Blade-like Apex

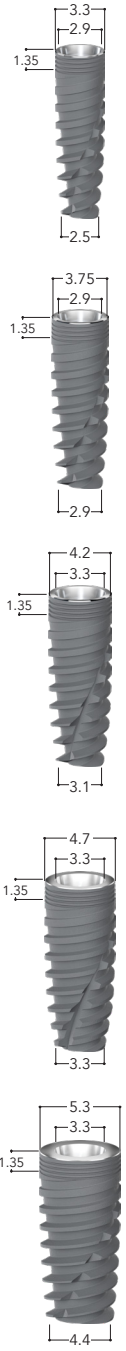
Cutting edges at the tip facilitate realignment of the axis by self-tapping the bone in the adjusted direction during insertion.

SMART™ IMPLANT

Dimensions



*Actual sizes



NP	Length (mm)	Diameter (mm)	Ref. Code
	8	3.3	113308N
	10		113310N
	11.5		113311N
	13		113313N
	16		113316N

NP	Length (mm)	Diameter (mm)	Ref. Code
	8	3.75	113708N
	10		113710N
	11.5		113711N
	13		113713N
	16		113716N

RP	Length (mm)	Diameter (mm)	Ref. Code
	8	4.2	114208R
	10		114210R
	11.5		114211R
	13		114213R
	16		114216R

RP	Length (mm)	Diameter (mm)	Ref. Code
	8	4.7	114708R
	10		114710R
	11.5		114711R
	13		114713R
	16		114716R

RP	Length (mm)	Diameter (mm)	Ref. Code
	8	5.3	115308R
	10		115310R
	11.5		115311R
	13		115313R
	16		115316R

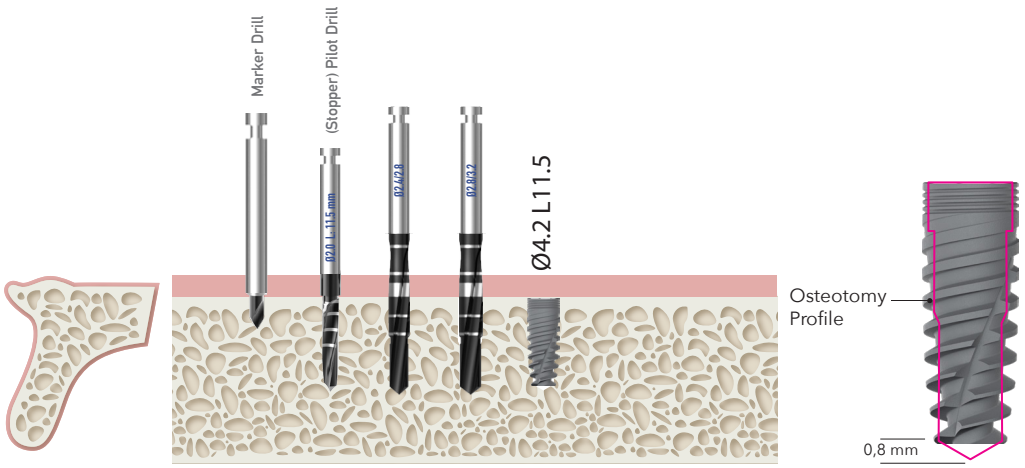
DRILLING PROTOCOL

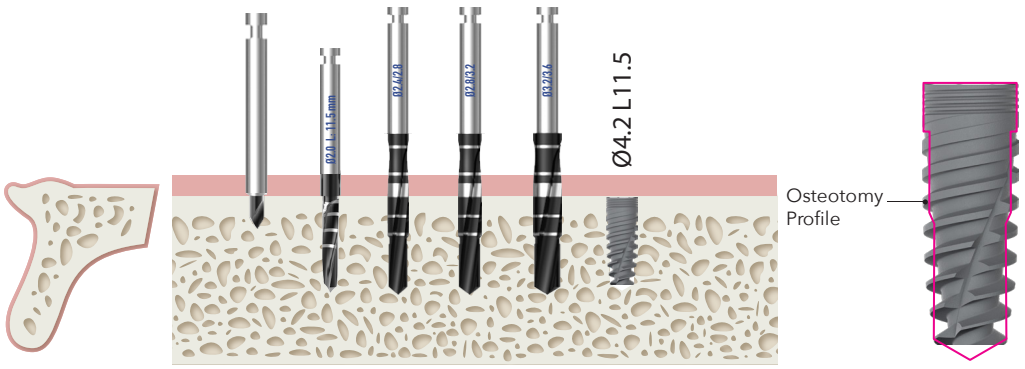
SMART™ Ø4.2 L11.5

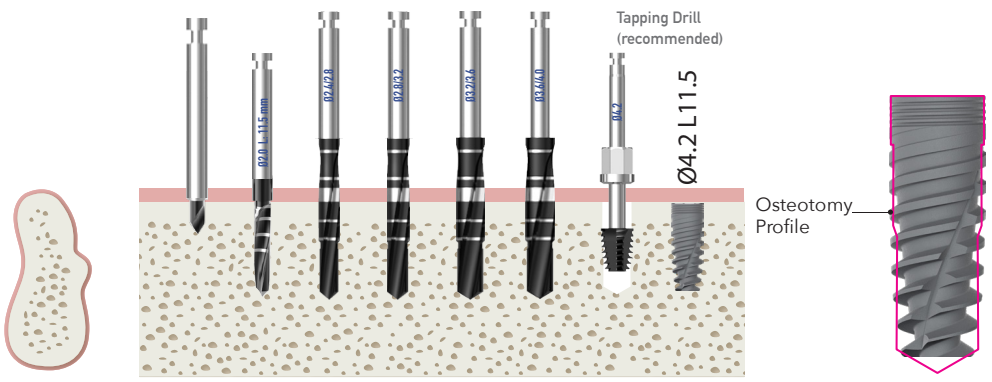
D4 2 step narrower drilling protocol is recommended to have a better primary stability. Step drilling allows a stronger grip at the apical part. Tapping drill can be used optionally to breakthrouh the cortical bone. Place the implant 0.5 mm subcrestally.

D3 1 step narrower drilling protocol is recommended to have a better primary stability. Step drilling allows a stronger grip at the apical part. Tapping drill can be used optionally to breakthrouh the cortical bone.

D2 proceed drilling to "3.6 - 4.0 step drill" and finish with cortical drill. In the case that insertion torque exceeds 70 NCM, reverse the implant 1/2 turn and continue insertion. If you feel strong resistance, remove the implant, place it into the tube, widen the osteotomy one step further.







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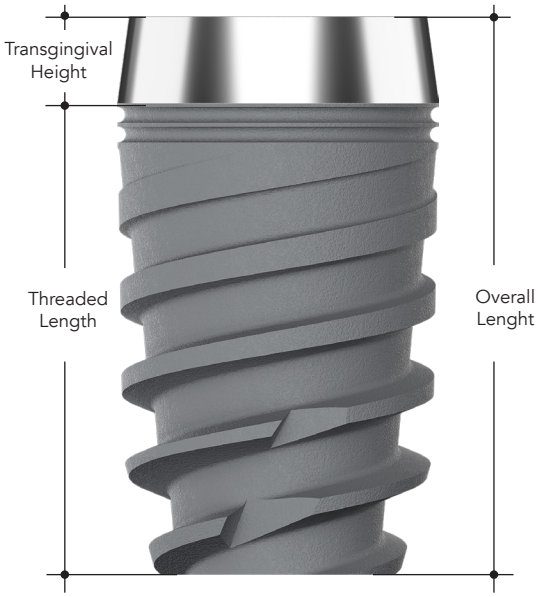
SHORT™ IMPLANT



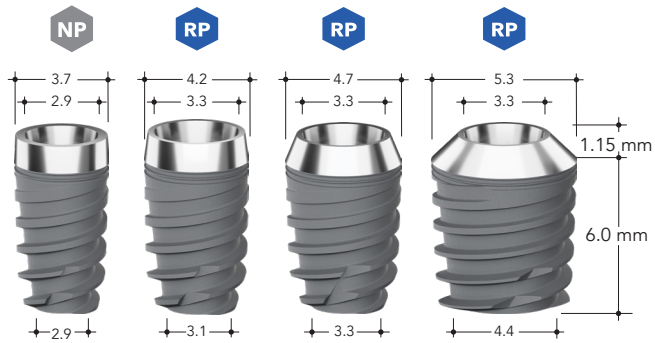
Design Facts

"SHORTCUT FOR LESS SURGERY"

SHORT™ Implant incorporates an aggressive thread profile and a tapered body.

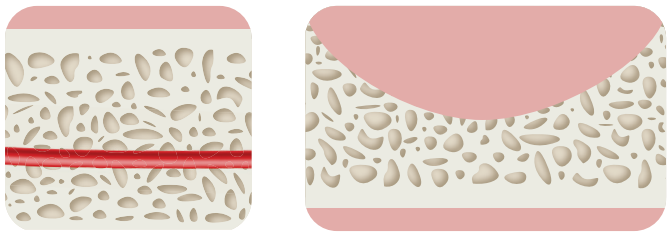
With a 6 mm rough surface, clinicians can confidently navigate around vital structures, eliminating the need for complex and slow-healing grafting procedures.

It provides safer implantation with flat apex when working close to critical anatomical structures.



Length (mm)	Diameter (mm)			
6	3.75	4.2	4.7	5.3
Ref. Code	133760N	134260R	134760R	135360R

Indication Priority



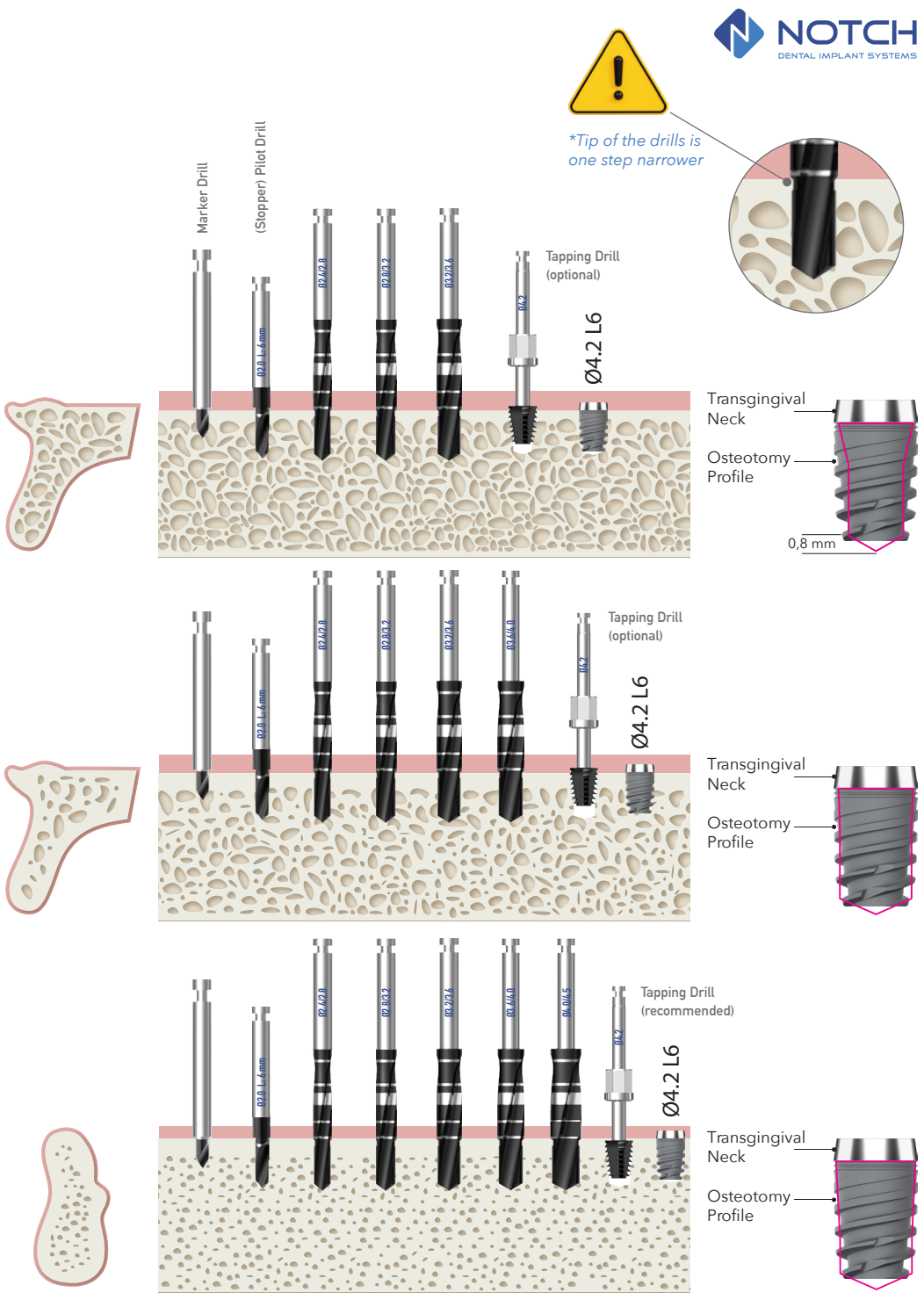
Insufficient bone height limited by nerve canal or sinus pneumatization

DRILLING PROTOCOL
SHORT™ Ø4.2 L6

D4 2 step narrower drilling protocol is recommended to have a better primary stability. Step drilling allows a stronger grip at the apical part. Tapping drill can be used optionally to breakthrouh the cortical bone.

D3 1 step narrower drilling protocol is recommended to have a better primary stability. Step drilling allows a stronger grip at the apical part. Tapping drill can be used optionally to breakthrouh the cortical bone.

D2 proceed drilling to "4.0 - 4.5 step drill" and finish with tapping drill. In the case that insertion torque exceeds 80 NCM, reverse the implant 1 step and continue insertion. Use of tapping drill is strongly recommended.



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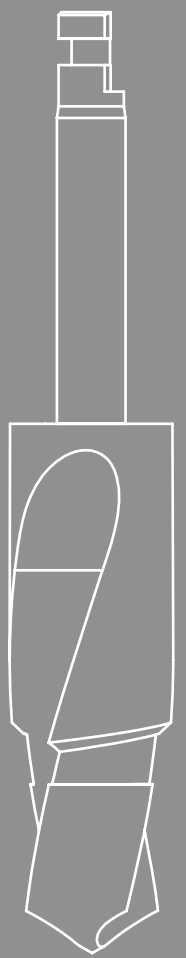
Surgical Kit

- Surgical Kit Layout
- Concept



ONE4ALL SURGICAL KIT

To avoid any confusion and to follow “ease of use” principle NOTCH® designed all implants to be placed with only one surgical kit.

SURGICAL KIT layout

EASY-TO-NAVIGATE LAYOUT

Sectioned layout of Surgical Kit provides access to the right tool at a glimpse during the surgery.

REGENERATION

Cortical Drills (UNIQUE™ Implant)

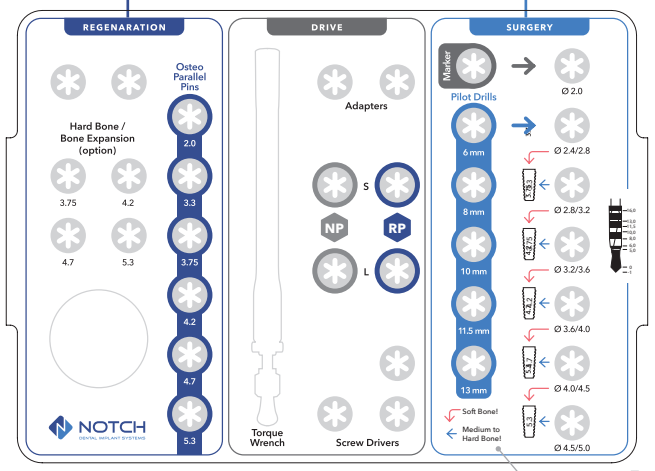
Ø (mm)	Ref. Code
Ø3.75	543700C
Ø4.2	544200C
Ø4.7	544700C
Ø5.3	545300C

Tapping Drills (SMART™ Implant)

Ø (mm)	Ref. Code
Ø3.75	533700B
Ø4.2	534200B
Ø4.7	534700B
Ø5.3	535300B

Parallel Pin/Depth Gauge/Oste-opin

Ø (mm)	Ref. Code
Ø2.0	522020P
Ø3.3	523300P
Ø3.75	523700P
Ø4.2	524200P
Ø4.7	524700P
Ø5.3	525300P



DRIVE

Implant Driver

Platform	Ref. Code
NP (S)	552228I
NP (L)	552237I
RP (S)	552628I
RP (L)	552637I

Screw Driver (Hex. 1.25 mm)

Platform	Ref. Code
Short	550010S
Long	550020S
Handpiece	550030S

SURGERY

Marker Drill

511818D

Stopper Pilot Drills

Length	Ø (mm)	Ref. Code
L: 6 mm	2.0	512006D
L: 8 mm		512008D
L: 10 mm		512010D
L: 11.5 mm		512011D
L: 13 mm		512013D
L: 16 mm		512016D

Twist Drills

Ø (mm)	Ref. Code
Ø2.4/2.8	512428D
Ø2.8/3.2	512832D
Ø3.2/3.6	523236D
Ø3.6/4.0	523640D
Ø4.0/4.5	524045D
Ø4.5/5.0	524550D

Shank Extension

512020H

Handle Driver

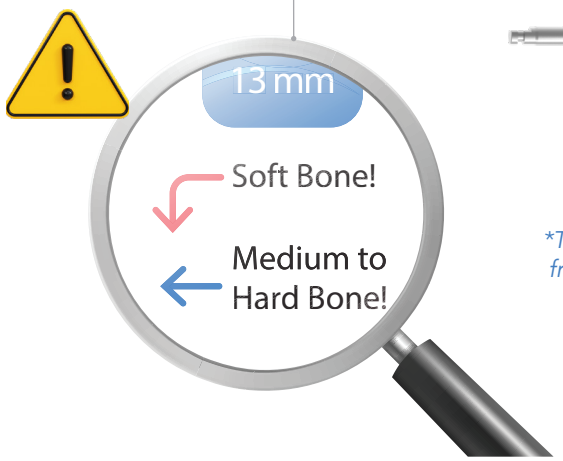
561001H

Torque Wrench

561000T

Ratchet Adapter

554018A



**The images here may differ from the actual product.*

SURGERY

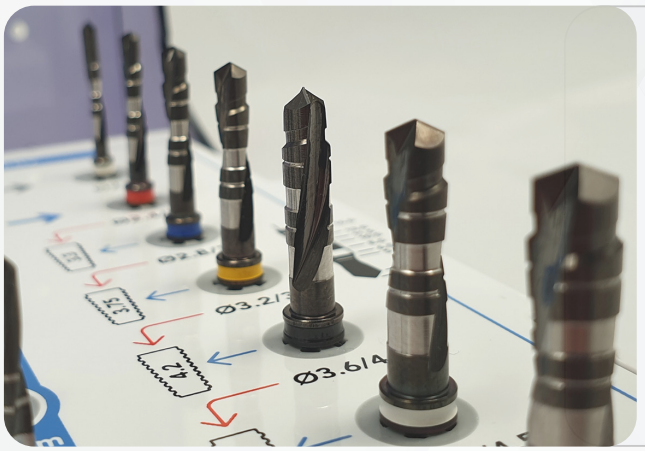
Drills are placed at the right-hand side of the plate. The basic idea behind this design is to enable users access the sharp pieces without worrying about tearing gloves. “marker” is the starting drill which is followed by “pilot drills” or optionally by 2.0 “twist drill”. Blue arrows lead to the corresponding implant diameter while the red arrows suggest final drills for soft bone.

DRIVE

All essential drivers are conveniently placed in the center of the kit for easy access. These implant drivers can be used either with a handpiece and torque wrench or with the provided handle alternatively. Additionally, one extra slot is available for optional drivers.

REGENERATION

We have introduced a dedicated ‘REGENERATION’ section within the kit to facilitate two frequently required bone regeneration procedures: Grafting and Osteotomy. To assist in these procedures, we have included ‘Osteo Parallel Pins’ within this section. These pins serve a dual purpose as both direction indicators and depth gauges. When combined with the provided ‘handle’, which is conveniently located in the lower tray of the kit, you have an easy-to-use osteotome kit readily available for these critical aspects of bone regeneration.

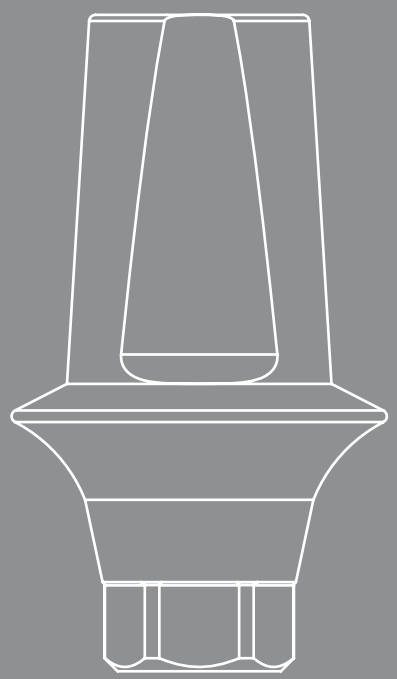


The short-term success of dental implants relies heavily on the role played by drills. To ensure the preservation of cutting efficiency throughout their lifespan, it is imperative to use high-quality materials and apply a specialized coating. Moreover, the cutting angles and flute design are equally crucial to create the precise osteotomy required for implant placement.

Without compromising any anatomically sensitive structures, achieving the exact drilling depth necessitates clear visibility of depth marks under all conditions.

Superstructures

- **Prosthetics** (Implant Level)
- **Cement Retained Abutments**
- **Screw Retained Abutments**
- **Overdenture Abutments**
- **Digital, CAD/CAM Components**



The NOTCH® Implant System ensures that all abutments are compatible with all NOTCH® implants on the corresponding platform. This feature provides significant convenience for cases where implants with different macroshapes are needed within the same jaw.

Implant Level
PROSTHETICS

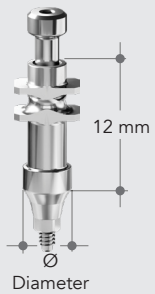
Healing Abutment

Notch Implant System offers a wide range of healing abutments to cover variable indications. All healing abutments are compatible with all NOTCH® implants on the corresponding platform.

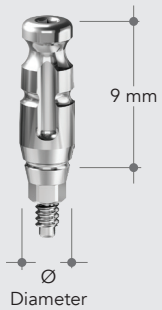
Impression Copings

NOTCH® Implant System offers a range of impression coping components providing a choice between open or closed tray impression protocols.

OPEN TRAY



CLOSED TRAY



Implant Lab Analog

HEALING ABUTMENT

		NP		RP	
		Ø3.6	Ø4.5	Ø5	Ø6
Gingiva Height	3 mm	213630N	214530N	215030R	216030R
	5 mm	213650N	214550N	215050R	216050R
	7 mm	213670N	214570N	215070R	216070R

OPEN TRAY IMPRESSION COPING

	NP		RP	
	Ø3.6	Ø4.5	Ø5	Ø6
				
Ref. Code	313600N	314500N	315000R	316000R

CLOSED TRAY IMPRESSION COPING

	NP		RP			
	Ø3.6	Ø4.5	Ø4	Ø4.5	Ø5	Ø6
9 mm						
Ref. Code	303600N	304500N	-	-	305000R	306000R
13 mm						
Ref. Code	PIC303613N	PIC304513N	PIC304013R	PIC304513R	-	-

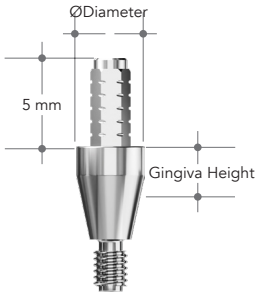
ANALOG

	NP	RP
		
Ref. Code	321000N	321001R

TEMPORARY ABUTMENTS

Immediate Temporary Abutment

is a good option when immediate provisionalization is required. Its sleek post design allows the dentist finish the case chairside within minutes.
Chairside



NP

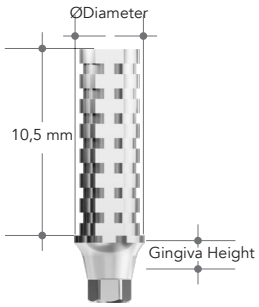
Profile D.	Gingiva Height	Post Height	Ref. Code
3.5	1.5	5	270115N
	3.0		270130N

RP

Profile D.	Gingiva Height	Post Height	Ref. Code
3.9	1.5	5	270115R
	3.0		270130R

Temporary Engaging Abutment

is used for single-tooth immediate provisionalization. Deep and sharp grooves provide strong retention.
Chairside/Dental Lab



NP

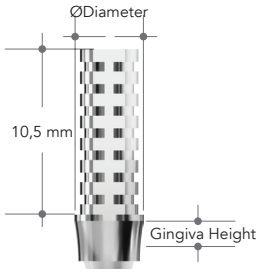
Profile D.	Gingiva Height	Post Height	Ref. Code
4	1.5	5	270215N

RP

Profile D.	Gingiva Height	Post Height	Ref. Code
4.5	1.5	5	270215R
	3.0		270230R

Temporary Non-Engaging Abutment

is used for multiple-tooth immediate provisionalization. Deep and sharp grooves provide strong retention.
Chairside/Dental Lab



NP

Profile D.	Gingiva Height	Post Height	Ref. Code
4	1.5	5	270315N
	3.0		270330N

RP

Profile D.	Gingiva Height	Post Height	Ref. Code
4.5	1.5	5	270315R
	3.0		270330R

DUAL ABUTMENT

Dual Abutment is used for both single and multiple unit restorations.
Dental Lab

NP

Profile D.	Gingiva Height	Post Height	Ref. Code
4.5	1.5	6	224515N
	3.0		224530N
	4.5		224545N

RP

Profile D.	Gingiva Height	Post Height	Ref. Code
4.5	1.5	6	224515R
	3.0		224530R
	4.5		224545R
5.5	1.5	6	225515R
	3.0		225530R
	4.5		225545R

ESTHETIC ABUTMENTS

ESTHETIC Abutment

ESTHETIC abutments mimic the anotomic contour of natural gum allowing dentists and technicians to obtain more esthetic results.

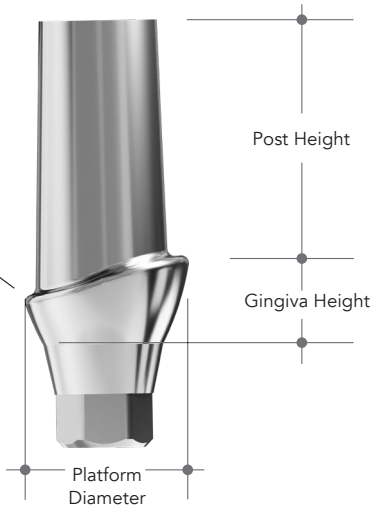
Angled ESTHETIC Abutment

Angled ESTHETICS abutments mimic the anotomic contour of natural gum allowing dentists and technicians to obtain more esthetic results.

Optimal **anatomic** shape of natural **gum line** and **esthetic** results...

ESTHETIC Abutment

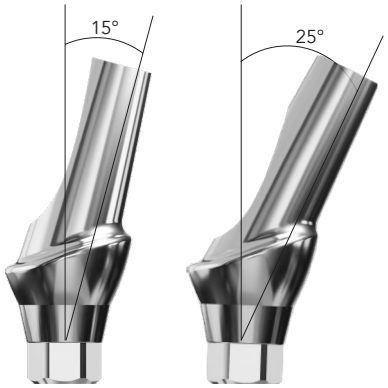
Esthetic contour
Mimics natural gingival line. Ideal for posterior esthetics as well.



NP	Profile D.	Gingiva Height	Post Height	Ref. Code
	4.5	1.5	5	230015N
		3.0		230030N
		4.5		230045N

RP	Profile D.	Gingiva Height	Post Height	Ref. Code
	4.5	1.5	5	230015R
		3.0		230030R
		4.5		230045R
	5.5	1.5	5	230115R
		3.0		230130R
		4.5		230145R

Angled ESTHETIC Abutment



NP	Angle	Gingiva Height	Post Height	Ref. Code
	15°	1.5	5	231515N
		3.0		231530N
		4.5		231545N
	25°	1.5	5	232515N
		3.0		232530N
		4.5		232545N

RP	Angle	Gingiva Height	Post Height	Ref. Code
	15°	1.5	5	231515R
		3.0		231530R
		4.5		231545R
	25°	1.5	5	232515R
		3.0		232530R
		4.5		232545R

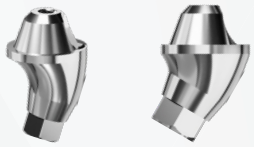
SCREW ABUTMENTS

0°

Screw Abutment

17° 30°

Angled Screw Abutment



Screw Retained Restorations

Screw-retained restoration procedure allows simple and easy removal and maintanence of prosthesis during routine checkups, with minimum risk of damaging the restoration. Digital components offer full digital workflow.

Partial

Full

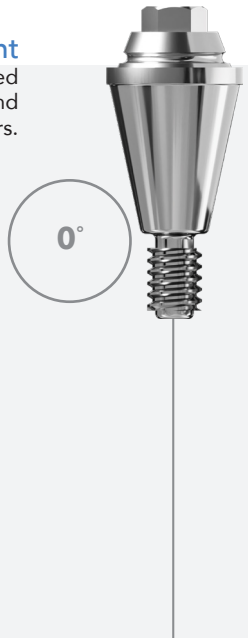
Internal conical connection with hexagonal interlocking offers a tight seal and high mechanical strength.

For conventional immediate restoration a titanium temporary abutment can be used. Burn-out cylinder is used for final metal cast restoration.

Digital scanbody and analog are used to make CAD/CAM restorations. Final restoration is cemented to metal coping and fixed onto screw abutment.

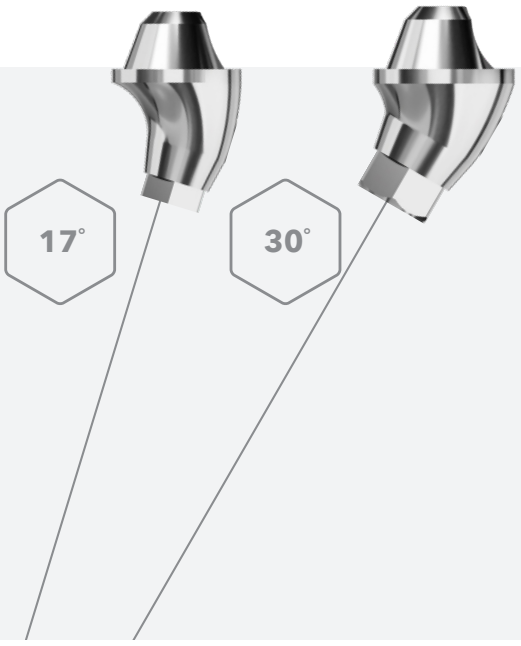
Screw Abutment

is used for screw retained prosthesis for bridges and bars.



Angled Screw Abutment

allows to place tilted implants to avoid anatomically compromised parts in upper and lower jaw. Seamless round shape ensures easier fitting into the implant when compared conventional designs.



Screw Abutment

NP

Gingiva Height	Platform Diameter	Ref. Code
1.5	4.8	260015N
2.5		260025N
3.5		260035N

25 NCM

RP

Gingiva Height	Platform Diameter	Ref. Code
1.5	4.8	260015R
2.5		260025R
3.5		260035R
4.5		260045R

35 NCM

Angled Screw Abutment

NP

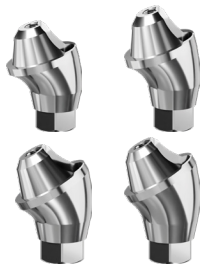
Angle	Gingiva Height	Platform Diameter	Ref. Code
17°	2.7	4.8	261727N
	3.5		261735N
30°	3.5		263035N
	4.0		263040N

25 NCM

RP

Angle	Gingiva Height	Platform Diameter	Ref. Code
17°	2.7	4.8	261727R
	3.5		261735R
30°	3.5		263035R
	4.0		263040R

35 NCM



Screw Abutment Prosthetic Procedures

Screw Abutment

Screw Abutment Prohealing Cap

Ref. Code 331030U

Angle Screw Abutment

Conventional Impression

Open Tray
(Abutment Level)

Ref. Code 331001U

Lab. Analog

Ref. Code 321002U

Burn-out Cylinder

(Non-hex)

Ref. Code 505811U

Temporary Abutment

(Non-hex)

Ref. Code 270400U

Digital Scanning

Scanbody
(Abutment Level)

Ref. Code 400030U

Digital Analog
for printed models

Ref. Code 321009U

Coping

(Non-hex)

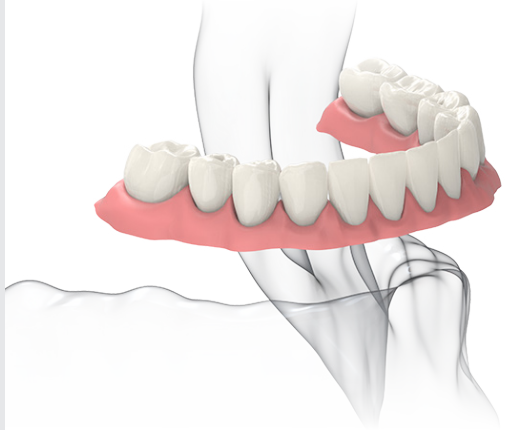
Ref. Code 428000U

Prosthetic Screw

Ref. Code 341410U

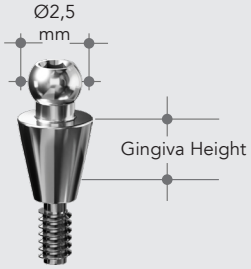
OVERDENTURE ABUTMENTS

For precise and durable ovendentures NOTCH® Implant has a variety of options from conventional ball and locator abutments to innovative multi-loc coping.



Ball Abutment

Used for implant-retained overdentures particularly in atrofied jaws. Parallelism is essential while using ball abutments.

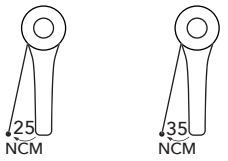


Gingiva Height	NP	RP
1.0 mm	240010N	240010R
2.0 mm	240020N	240020R
3.0 mm	240030N	240030R
4.0 mm	240040N	240040R
5.0 mm	240050N	240050R
6.0 mm	240060N	240060R

Locator Abutment

Used for implant-retained overdentures. Smaller vertical dimension and flat seating make Locator an ideal solution for the cases with esthetic esthetic demands. They also offer easier solution for the cases where parallelism is compromised.

Gingiva Height	NP	RP
1.0 mm	250010N	250010R
2.0 mm	250020N	250020R
3.0 mm	250030N	250030R
4.0 mm	250040N	250040R
5.0 mm	250050N	250050R
6.0 mm	250060N	250060R



Multi-Loc Overdenture

This innovative component equips dentists with two options with the cases requring tilted implants. Multi-loc is used to have screw abutment supported ovendenture or to switch to overdenture from fixed bridge.

Reference Code	280040C

Notch Implant GmbH collaborates with companies worldwide in order to offer its customers the highest quality available. By this approach, we supply our elastic caps for overdenture solutions from the world-renowned Italian company RHEIN83 .

Retainers for Ball abutment

Color	Retention	Ref Code
Green	Elastic	AOD240140G
Yellow	Extra Soft	AOD240140Y
Pink	Soft	AOD240140P
Clear	Standart	AOD240140C
Black (Lab. Cap)	-	AOD240140B
Metal Housing	-	AOD240040M
Protective Disk	-	AOD240140D
Elastic Cap Pack	Multi	AOD240000P

Retainers for Locator abutment

Type	Color	Retention	Ref Code
With Pin	Yellow	Extra Soft	AOD260140Y
	Pink	Soft	AOD260140P
	Clear	Standart	AOD260140C
	Violet	Hard	AOD260140V
Without Pin	Yellow	Extra Soft	AOD250140Y
	Pink	Soft	AOD250140P
	Clear	Standart	AOD250140C
	Violet	Hard	AOD250140V
	Black (Lab. Cap)	-	AOD250140B
	Metal Housing	-	AOD250140M
	Protective Disk	-	AOD250140D
	Elastic Cap Pack	Multi	AOD260000P

Impression Coping

is used to make an impression of the positions of Locator abutments so that total denture is prepared in lab.

Lab Anolog

is used to replicate positions of Locator abutments in stone cast.

System	Product	Ref Code
Locator	Impression Coping	PLI381010S
	Lab Analog	PLA381010S
Ball	Impression Coping	PBI381010S
	Lab Analog	PBA381010S

DIGITAL CAD/CAM

NOTCH® offers a simple and smooth digital workflow through simplified, high-precision components.

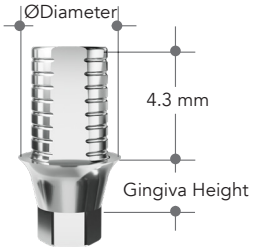
Using the same scanbodies for all NOTCH® Implant Systems will speed-up oral/model scanning session and enable you having different implant models in the same jaw more confidently.

Ti-Base Engaged
(Single Tooth)

is used for single tooth temporary or final restorations. Retentive micro grooves on post provides better attachment to crown.

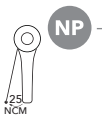
Profile D.	Gingiva Height	Post Height	Ref. Code
4	0.7	4.3	420710N
	2.5		422510N

Profile D.	Gingiva Height	Post Height	Ref. Code
4.5	0.7	4.3	420710R
	2.5		422510R



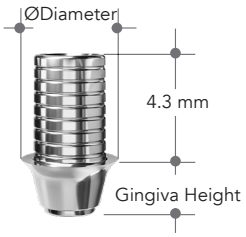
Ti-Base Non-Engaged
(Bridges/Bars)

is used for multiple tooth temporary or final restorations. Retentive micro grooves on post provides better attachment to crown.



Profile D.	Gingiva Height	Post Height	Ref. Code
4	0.7	4.3	420700N
	2.5		422500N

Profile D.	Gingiva Height	Post Height	Ref. Code
4,5	0.7	4.3	420700R
	2.5		422500R



Premill Abutment

Customized abutments has major advantages over stock abutments where esthetics is prerequisite. With premilled hexagonal and conical part genuine NOTCH® premill abutments offer better and safer outcomes.

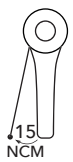
Profile D.	Type*	Post Height	Ref. Code
11,5	A	19,3	432011N
	B		442011N

Profile D.	Type*	Post Height	Ref. Code
11,5	A	19,3	432011R
	B		442011R

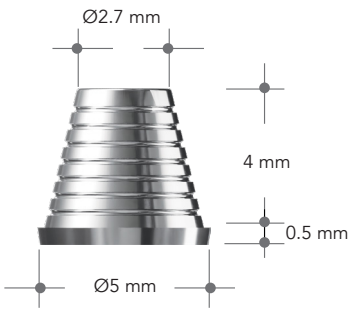
Screw Abutment Coping

is used for CAD/CAM restorations on screw abutments. Engaged coping is used for single tooth and non-engaged is for bridges and bars.

**Type A indicates European Type Connection*
Type B indicates Non-European connection

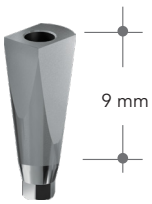


Screw Abutment Coping
428000U



SCANBODY AND DIGITAL ANALOG

Scanbody
(Implant Level)



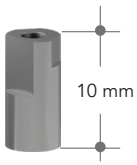
Scanbody

NP	RP
400010N	400020R

Digital Analog for Printed Models

NP	RP
321007N	321008R

Scanbody
(Abutment Level)



Scanbody Screw Abutment
400030U

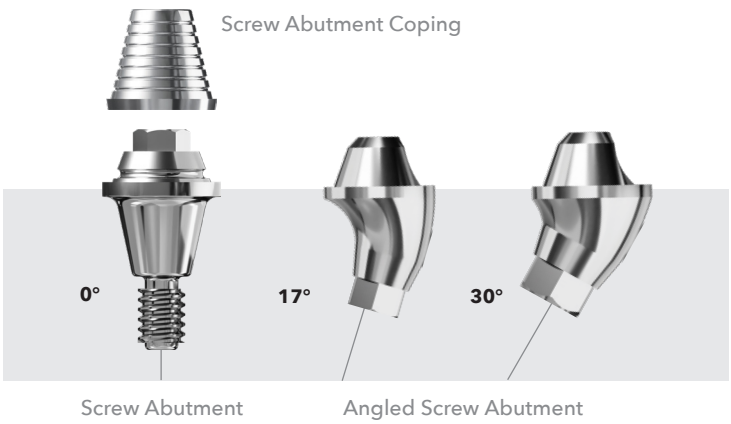
Digital Analog for Printed Models
321009U

Ti-Base Abutment

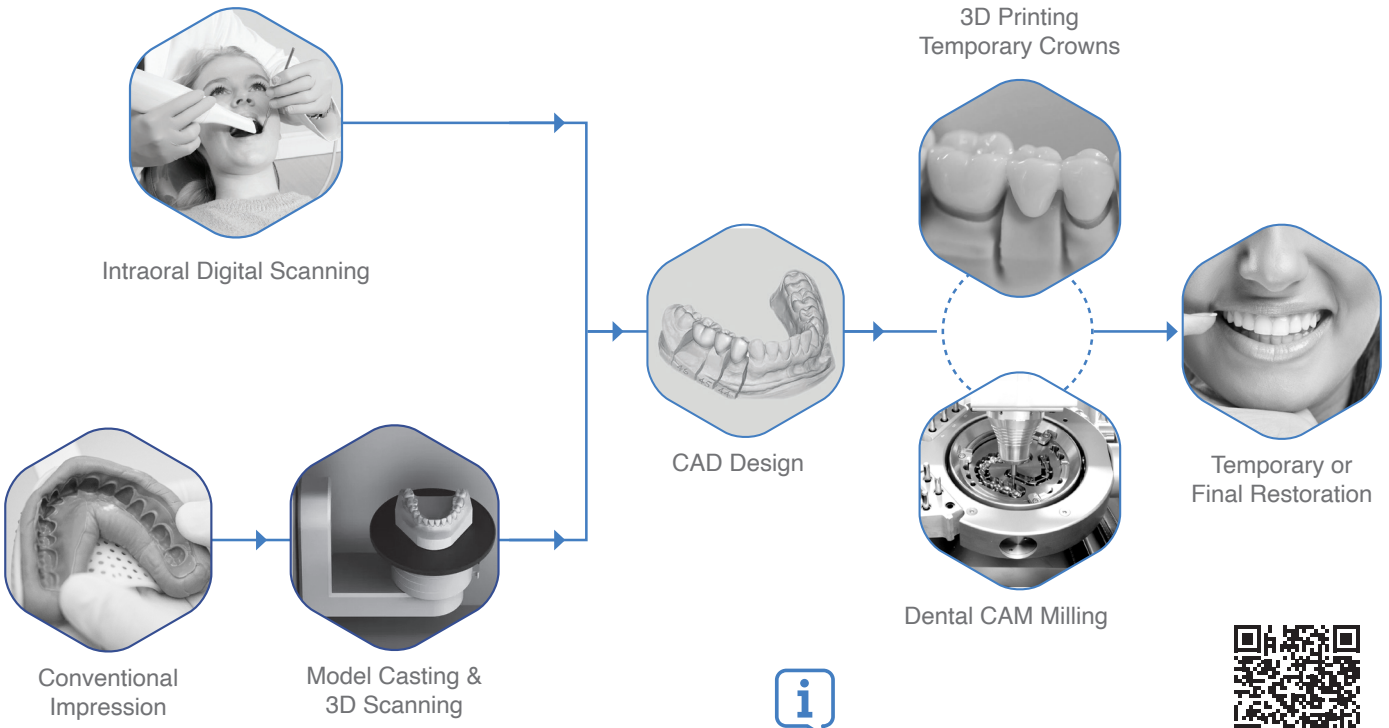
Engaged
(Single Tooth)

Non-Engaged
(Bridges/Bars)

Premill Abutment



Digital Workflow



Scan to download exocad libraries.

Single Tooth

- Ti-Base Engaged Abutment
- Premill Abutment

Bridges/Bars

- Ti-Base Non-Engaged Abutment
- Screw Abutment
- 17° Angled Screw Abutment
- 30° Angled Screw Abutment

Full Arch

- Screw Abutment
- 17° Angled Screw Abutment
- 30° Angled Screw Abutment

Product	Ref Code
Implants	
SMART Implant NP Ø3.3 L8	113308N
SMART Implant NP Ø3.3 L10	113310N
SMART Implant NP Ø3.3 L11.5	113311N
SMART Implant NP Ø3.3 L13	113313N
SMART Implant NP Ø3.3 L16	113316N
SMART Implant NP Ø3.75 L 8	113708N
SMART Implant NP Ø3.75 L10	113710N
SMART Implant NP Ø3.75 L11.5	113711N
SMART Implant NP Ø3.75 L13	113713N
SMART Implant NP Ø3.75 L16	113716N
SMART Implant RP Ø4.2 L8	114208R
SMART Implant RP Ø4.2 L10	114210R
SMART Implant RP Ø4.2 L11.5	114211R
SMART Implant RP Ø4.2 L13	114213R
SMART Implant RP Ø4.2 L16	114216R
SMART Implant RP Ø4.7 L8	114708R
SMART Implant RP Ø4.7 L10	114710R
SMART Implant RP Ø4.7 L11.5	114711R
SMART Implant RP Ø4.7 L13	114713R
SMART Implant RP Ø4.7 L16	114716R
SMART Implant RP Ø5.3 L8	115308R
SMART Implant RP Ø5.3 L10	115310R
SMART Implant RP Ø5.3 L11.5	115311R
SMART Implant RP Ø5.3 L13	115313R
SMART Implant RP Ø5.3 L16	115316R
UNIQUE Implant NP Ø3.3 L8	123308N
UNIQUE Implant NP Ø3.3 L10	123310N
UNIQUE Implant NP Ø3.3 L11.5	123311N
UNIQUE Implant NP Ø3.3 L13	123313N
UNIQUE Implant NP Ø3.3 L16	123316N
UNIQUE Implant NP Ø3.75 L8	123708N
UNIQUE Implant NP Ø3.75 L10	123710N
UNIQUE Implant NP Ø3.75 L11.5	123711N
UNIQUE Implant NP Ø3.75 L13	123713N
UNIQUE Implant NP Ø3.75 L16	123716N
UNIQUE Implant RP Ø4.2 L8	124208R
UNIQUE Implant RP Ø4.2 L10	124210R
UNIQUE Implant RP Ø4.2 L11.5	124211R
UNIQUE Implant RP Ø4.2 L13	124213R
UNIQUE Implant RP Ø4.2 L16	124216R
UNIQUE Implant RP Ø4.7 L8	124708R
UNIQUE Implant RP Ø4.7 L10	124710R
UNIQUE Implant RP Ø4.7 L11.5	124711R
UNIQUE Implant RP Ø4.7 L13	124713R
UNIQUE Implant RP Ø4.7 L16	124716R
UNIQUE Implant RP Ø5.3 L8	125308R
UNIQUE Implant RP Ø5.3 L10	125310R
UNIQUE Implant RP Ø5.3 L11.5	125311R
UNIQUE Implant RP Ø5.3 L13	125313R
UNIQUE Implant RP Ø5.3 L16	125316R
SHORT Implant NP Ø3.75 L6	133760N
SHORT Implant RP Ø4.2 L6	134260R
SHORT Implant RP Ø4.7 L6	134760R
SHORT Implant RP Ø5.3 L6	135360R
SHORT Implant RP Ø6.0 L6 (available on special request)	136060R
Abutments	
DUAL Abutment NP Ø4.5 GH1.5	224515N
DUAL Abutment NP Ø4.5 GH3	224530N
DUAL Abutment NP Ø4.5 GH4.5	224545N
DUAL Abutment RP Ø4.5 GH1.5	224515R
DUAL Abutment RP Ø4.5 GH3	224530R
DUAL Abutment RP Ø4.5 GH4.5	224545R
DUAL Abutment RP Ø5.5 GH1.5	225515R
DUAL Abutment RP Ø5.5 GH3	225530R
DUAL Abutment RP Ø5.5 GH4.5	225545R
DUAL Abutment RP Ø6.0 GH1.5	226015R
DUAL Abutment RP Ø6.0 GH3	226030R
DUAL Abutment RP Ø6.0 GH4.5	226045R
15° ESTHETiC Abutment NP GH1.5	231515N

Product	Ref Code
15° ESTHETiC Abutment NP GH3.0	231530N
15° ESTHETiC Abutment NP GH4.5	231545N
15° ESTHETiC Abutment RP GH1.5	231515R
15° ESTHETiC Abutment RP GH3.0	231530R
15° ESTHETiC Abutment RP GH4.5	231545R
25° ESTHETiC Abutment NP GH1.5	232515N
25° ESTHETiC Abutment NP GH3.0	232530N
25° ESTHETiC Abutment NP GH4.5	232545N
25° ESTHETiC Abutment RP GH1.5	232515R
25° ESTHETiC Abutment RP GH3.0	232530R
25° ESTHETiC Abutment RP GH4.5	232545R
ESTHETiC Abutment NP Ø4.5 GH1.5	230015N
ESTHETiC Abutment NP Ø4.5 GH3.0	230030N
ESTHETiC Abutment NP Ø4.5 GH4.5	230045N
ESTHETiC Abutment RP Ø4.5 GH1.5	230015R
ESTHETiC Abutment RP Ø4.5 GH3.0	230030R
ESTHETiC Abutment RP Ø4.5 GH4.5	230045R
ESTHETiC Abutment RP Ø5.5 GH1.5	230115R
ESTHETiC Abutment RP Ø5.5 GH3.0	230130R
ESTHETiC Abutment RP Ø5.5 GH4.5	230145R
Screw Abutment NP GH1.5	260015N
Screw Abutment NP GH2.5	260025N
Screw Abutment NP GH3.5	260035N
Screw Abutment RP GH1.5	260015R
Screw Abutment RP GH2.5	260025R
Screw Abutment RP GH3.5	260035R
Screw Abutment RP GH4.5	260045R
17° Angled Screw Abutment NP GH2.7	261727N
17° Angled Screw Abutment NP GH3.5	261735N
17° Angled Screw Abutment RP GH2.7	261727R
17° Angled Screw Abutment RP GH3.5	261735R
30° Angled Screw Abutment NP GH3.5	263035N
30° Angled Screw Abutment NP GH4.0	263040N
30° Angled Screw Abutment RP GH3.5	263035R
30° Angled Screw Abutment RP GH4.0	263040R

Product	Ref Code
Immediate Temporary Abutment NP Ø3.5 GH1.5	270115N
Immediate Temporary Abutment NP Ø3.5 GH3.0	270130N
Immediate Temporary Abutment RP Ø4.0 GH1.5	270115R
Immediate Temporary Abutment RP Ø4.0 GH3.0	270130R
Temporary Abutment for Implant NP Ø4.0 GH1.5	270215N
Temporary Abutment for Implant RP Ø4.5 GH1.5	270215R
Temporary Abutment for Implant RP Ø4.5 GH3	270230R
Temporary Abutment for Implant NP Ø4.0 GH1.5	270315N
Temporary Abutment for Implant RP Ø4.5 GH1.5	270315R
Temporary Abutment for Implant RP Ø4.5 GH3.0	270330R
Overdenture	
Ball Abutment NP GH1.0	240010N
Ball Abutment NP GH2.0	240020N
Ball Abutment NP GH3.0	240030N
Ball Abutment NP GH4.0	240040N
Ball Abutment NP GH5.0	240050N
Ball Abutment NP GH6.0	240060N
Ball Abutment RP GH1.0	240010R
Ball Abutment RP GH2.0	240020R
Ball Abutment RP GH3.0	240030R
Ball Abutment RP GH4.0	240040R
Ball Abutment RP GH5.0	240050R
Ball Abutment RP GH6.0	240060R
Locator Abutment NP GH1.0	250010N
Locator Abutment NP GH2.0	250020N
Locator Abutment NP GH3.0	250030N
Locator Abutment NP GH4.0	250040N
Locator Abutment NP GH5.0	250050N
Locator Abutment NP GH6.0	250060N
Locator Abutment RP GH1.0	250010R
Locator Abutment RP GH2.0	250020R
Locator Abutment RP GH3.0	250030R
Locator Abutment RP GH4.0	250040R
Locator Abutment RP GH5.0	250050R
Locator Abutment RP GH6.0	250060R

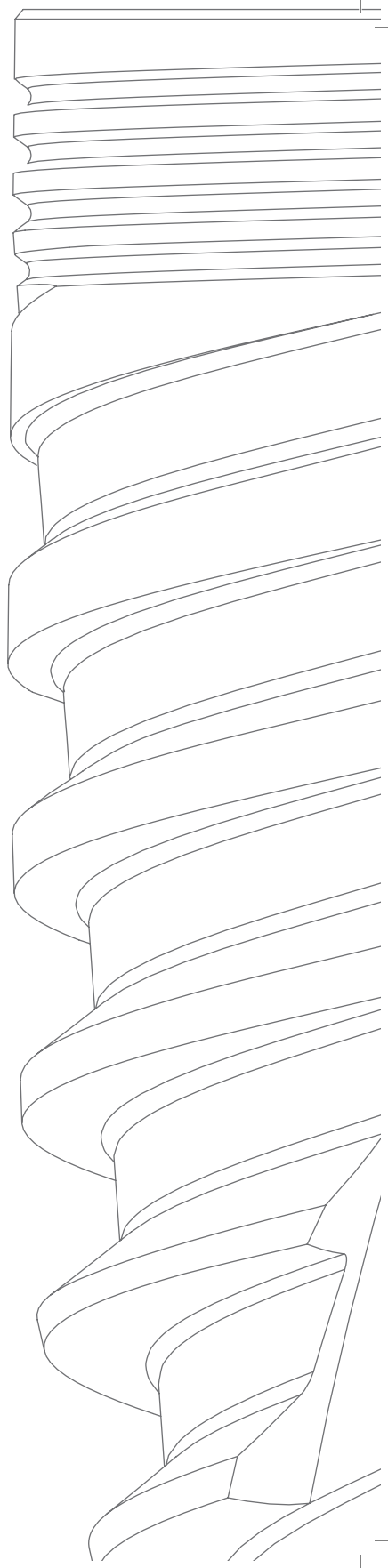
Product	Ref Code
Ball Abutment Impression Coping (pack of 2 pcs.)	PBI381010S
Ball Abutment Lab Analog (pack of 2 pcs.)	PBA381010S
Ball Abutment ElasTic Cap - pack (pack of 7pcs.)	AOD240000P
Ball Abutment ElasTic Cap - clear (pack of 4 pcs.)	AOD240140C
Ball Abutment ElasTic Cap - green (pack of 4 pcs.)	AOD240140G
Ball Abutment ElasTic Cap - pink (pack of 4 pcs.)	AOD240140P
Ball Abutment ElasTic Cap - yellow (pack of 4 pcs.)	AOD240140Y
Ball Abutment Lab Cap - black (pack of 4 pcs.)	AOD240140B
Ball Abutment Metal Housing (pack of 2 pcs.)	AOD240140M
Ball Abutment ProtecTive Disk (pack of 4 pcs.)	AOD240140D
Locator Abutment Impression Coping (pack of 2 pcs.)	PLI381010S
Locator Abutment Lab Analog (Pack of 2 pcs.)	PLA381010S
Locator Abutment ElasTic Cap - pack (pack of 7 pcs.)	AOD250000P
Locator Abutment ElasTic Cap - clear (pack of 4 pcs.)	AOD250140C
Locator Abutment ElasTic Cap - pink (pack of 4 pcs.)	AOD250140P
Locator Abutment ElasTic Cap - violet (pack of 4 pcs.)	AOD250140V
Locator Abutment ElasTic Cap - yellow (pack of 4 pcs.)	AOD250140Y
Locator Abutment Lab Cap - black (pack of 4 pcs.)	AOD250140B
Locator Abutment Metal Housing (pack of 2 pcs.)	AOD250140M
Locator Abutment ProtecTive Disk (pack of 10 pcs.)	AOD250140D
Locator Abutment ElasTic Cap with pin - pack (pack of 7 pcs.)	AOD260000P
Locator Abutment ElasTic Cap with pin - clear (pack of 4 pcs.)	AOD260140C
Locator Abutment ElasTic Cap with pin - pink (pack of 4 pcs.)	AOD260140P
Locator Abutment ElasTic Cap with pin - violet (pack of 4 pcs.)	AOD260140V
Locator Abutment ElasTic Cap with pin - yellow (pack of 4 pcs.)	AOD260140Y
Locator Abutment Lab Cap with pin - black (pack of 4 pcs.)	AOD260140B
Caps InserTion ExtracTion Tool	MIN488010C
Digital & Cad/Cam	
Premill Abutment NP Ø11,5 Type A	APA432011N
Premill Abutment RP Ø11,5 Type A	APA432011R
Premill Abutment NP Ø11,5 Type B	APA442011N
Premill Abutment RP Ø11,5 Type B	APA442011R
Ti Base Bridges/Bars NP GH0.7	420700N
Ti Base Bridges/Bars RP GH0.7	420700R

Product	Ref Code
Ti Base Bridges/Bars NP GH2.5	422500N
Ti Base Bridges/Bars RP GH2.5	422500R
Ti Base Single Tooth NP GH0.7	420710N
Ti Base Single Tooth RP GH0.7	420710R
Ti Base Single Tooth NP GH2.5	422510N
Ti Base Single Tooth RP GH2.5	422510R
Scanbody NP	400010N
Scanbody RP	400020R
Screw Abutment Scanbody	400030U
Digital Analog NP	321007N
Digital Analog RP	321008R
Screw Abutment Digital Analog	321009U
Prosthetics	
Healing Abutment NP Ø3.6 GH3	213630N
Healing Abutment NP Ø3.6 GH5	213650N
Healing Abutment NP Ø3.6 GH7	213670N
Healing Abutment NP Ø4.5 GH3	214530N
Healing Abutment NP Ø4.5 GH5	214550N
Healing Abutment NP Ø4.5 GH7	214570N
Healing Abutment RP Ø5.0 GH3	215030R
Healing Abutment RP Ø5.0 GH5	215050R
Healing Abutment RP Ø5.0 GH7	215070R
Healing Abutment RP Ø6.0 GH3	216030R
Healing Abutment RP Ø6.0 GH5	216050R
Healing Abutment RP Ø6.0 GH7	216070R
Screw Abutment ProHealing Cap	331030U
Closed Impression Coping NP Ø3,6 L9	303600N
Closed Impression Coping NP Ø3,6 L13	PIC303613N
Closed Impression Coping NP Ø4,5 L9	304500N
Closed Impression Coping NP Ø4,5 L13	PIC304513N
Closed Impression Coping RP Ø4 L13	PIC304013R
Closed Impression Coping RP Ø4,5 L13	PIC304513R
Closed Impression Coping RP Ø5 L9	305000R
Closed Impression Coping RP Ø6 L9	306000R

Product	Ref Code
Open Impression Coping NP Ø3,6	313600N
Open Impression Coping NP Ø4,5	314500N
Open Impression Coping RP Ø5	315000R
Open Impression Coping RP Ø6	316000R
Screw Abutment Open Impression Coping	331001U
Analog NP	321000N
Analog RP	321001R
Ball Abutment Analog	321003N
Locator Abutment Analog	321005N
Screw Abutment Analog	321002U
Surgical Kit	
NOTCH Surgical Kit - equipped	KSK500000K
Marker Drill	511818D
Stopper Pilot Drill Ø2.0 L6	512006D
Stopper Pilot Drill Ø2.0 L8	512008D
Stopper Pilot Drill Ø2.0 L10	512010D
Stopper Pilot Drill Ø2.0 L11.5	512013D
Stopper Pilot Drill Ø2.0 L13	512016D
Twist Drill Ø2.4 / 2.8	512428D
Twist Drill Ø2.8 / 3.2	512832D
Twist Drill Ø3.2 / 3.6	532236D
Twist Drill Ø3.6 / 4.0	523640D
Twist Drill Ø4.0 / 4.5	524045D
Twist Drill Ø4.5 / 5.0	524550D
Shank Extension	KIN552022E
Parallel Pin / Depth Guide Ø2.0	522020P
Parallel Pin / Depth Guide Ø3.3	523300P
Parallel Pin / Depth Guide Ø3.75	523700P
Parallel Pin / Depth Guide Ø4.2	524200P
Parallel Pin / Depth Guide Ø4.7	524700P
Parallel Pin / Depth Guide Ø5.3	525300P
Tapping Drill (SMART & SHORT Implant) Ø3.75	533700B
Tapping Drill (SMART & SHORT Implant) Ø4.2	534200B
Tapping Drill (SMART & SHORT Implant) Ø4.7	534700B

Product	Ref Code
Tapping Drill (SMART & SHORT Implant) Ø5.3	535300B
Cortical Drill (UNIQUE Implant) Ø3.75	543700C
Cortical Drill (UNIQUE Implant) Ø4.2	544200C
Cortical Drill (UNIQUE Implant) Ø4.7	544700C
Cortical Drill (UNIQUE Implant) Ø5.3	545300C
Screw Driver Short Hex 1.25 mm	550010S
Screw Driver Long Hex 1.25 mm	550020S
Handpiece Screw Driver Hex 1.25 mm	550030S
Implant Driver NP Short	552228I
Implant Driver NP Long	552237I
Implant Driver RP Short	552628I
Implant Driver RP Long	552637I
Torque Wrench	561000T
Ratchet Adapter	554018A
Handle	561001H
Miscellaneous	
Cover Screw NP	203358N
Cover Screw RP	203858R
Screw Abutment Burn Out Cylinder	505811U
Screw Abutment Coping	428000U
Abutment Screw NP M1.6	341610U
Abutment Screw RP M2.0	342010U
Prosthetic Screw M1.4	341410U
Screw (Angled Abutment) NP M1.6 L6.7	341611U
Screw (Angled Abutment) RP M2.0 L6.7	342011U
Screw (Digital Analog) M1.6 L4.80	371610U
MultiLoc Coping	280040C
Marketing & Training	
Overdenture Demo Model - Locator	TRM000001U
NOTCH Implant Acrylic Display	TRM000002U
NOTCH Digital Parts Acrylic Display	TRM000003U
NOTCH Implant Show Case	TRM000004U

Notes



NOTCH®
DENTAL IMPLANT SYSTEMS

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