

The Classic Series

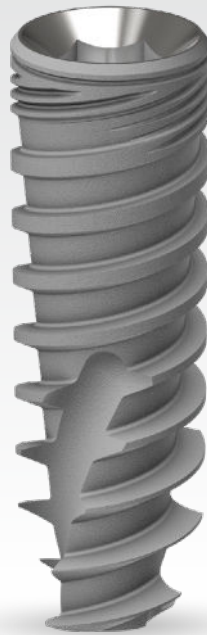
Stability & Accuracy Above All



Tuff TT



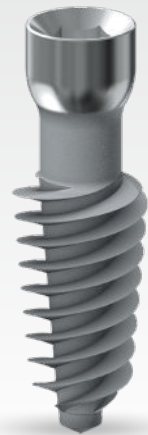
Tuff Pro



Tuff



Onyx



Cortical



NORIS Medical[®]
Dental Implant Solutions

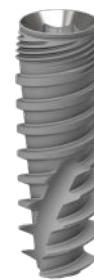
CLASSIC LEGACY SERIES

Our Tuff and Onyx dental implants offer versatile solutions to a variety of clinical indications, enabling simple treatment and maximum flexibility:

ONE SYSTEM - ONE KIT - FOR MULTIPLE INDICATIONS

- ✔ ***Noris Medical implant systems are designed with the anatomy of the bone*** in mind to achieve optimal clinical and esthetic results
- ✔ ***This series includes our Vici Implants Tuff-TT, Cortical, and Tuff-Pro.***
- ✔ ***All implants in the series are designed and engineered to bring a solution to a wide range of patient needs,*** offering a unique portfolio of materials and surfaces.

CLASSIC SERIES IMPLANTS INDEX



BONE LEVEL IMPLANT	NAME	TUFF	TUFF PRO	TUFF TT
	BONE TYPES	All Bone Types		
	PROSTHETICS PLATFORM	Internal Hex		
	DESIGN FEATURES	<ul style="list-style-type: none"> • Condensing variable threads design • Apically tapered threads and tapered core body • Double thread with large step • Double flutes 	<ul style="list-style-type: none"> • Condensing variable threads design • Apically tapered threads and tapered core body • Double threads with large step • sMachined surface coronal portion • Double flutes 	<ul style="list-style-type: none"> • Condensing variable threads design • Apically tapered threads and tapered core body • Double threads with large step • Back tapered coronal portion • Double flutes
	CLINICAL BENEFITS	<ul style="list-style-type: none"> • Self tapping • High primary stability • Minimal drilling • Fast insertion – optimal for soft bone • Immediate loading - suitable for extraction sites 	<ul style="list-style-type: none"> • Self tapping • High primary stability • Minimal drilling • Fast insertion – optimal for soft bone • Immediate loading - suitable for extraction sites 	<ul style="list-style-type: none"> • Self tapping • High primary stability • Minimal drilling • Reduced pressure on crestal bone • Optimal esthetic results • Immediate loading - suitable for extraction sites



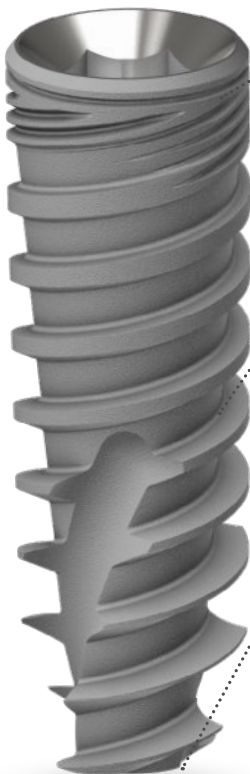
BONE LEVEL IMPLANT	NAME	ONYX	CORTICAL
	BONE TYPES	All Bone Types Recommended for Hard Bone Type	All Bone Types Recommended for Soft Bone Type
	PROSTHETICS PLATFORM	Internal Hex	
	DESIGN FEATURES	<ul style="list-style-type: none"> • Large surface area • Cylindrical thread and core body • Double threads with small step • Triple cutting flutes 	<ul style="list-style-type: none"> • Large cutting surface area • Tapered thread and tapered core body • Wide and sharp threads
	CLINICAL BENEFITS	<ul style="list-style-type: none"> • Minimal pressure on hard bone • Maximum bone to implant contact area • Long term stability • Immediate loading – suitable for hard bone 	<ul style="list-style-type: none"> • Self tapping • High primary stability • Minimal drilling • Immediate loading - suitable for extraction sites

CLASSIC SERIES | TUFF™

BONE TYPES	All bone types
PROSTHETICS PLATFORM	Internal hex
DESIGN FEATURES	<ul style="list-style-type: none">• Condensing variable threads design• Apically tapered threads and tapered core body• Double thread with large step• Double flutes
CLINICAL BENEFITS	<ul style="list-style-type: none">• Self tapping• High primary stability• Minimal drilling• Fast insertion – optimal for soft bone• Immediate loading - suitable for extraction sites
AVAILABLE OPTIONS	Neck textures: <ul style="list-style-type: none">• Machined surface• Rbm surface



Available in two neck textures versions: Machined surface or RBM treated surface.



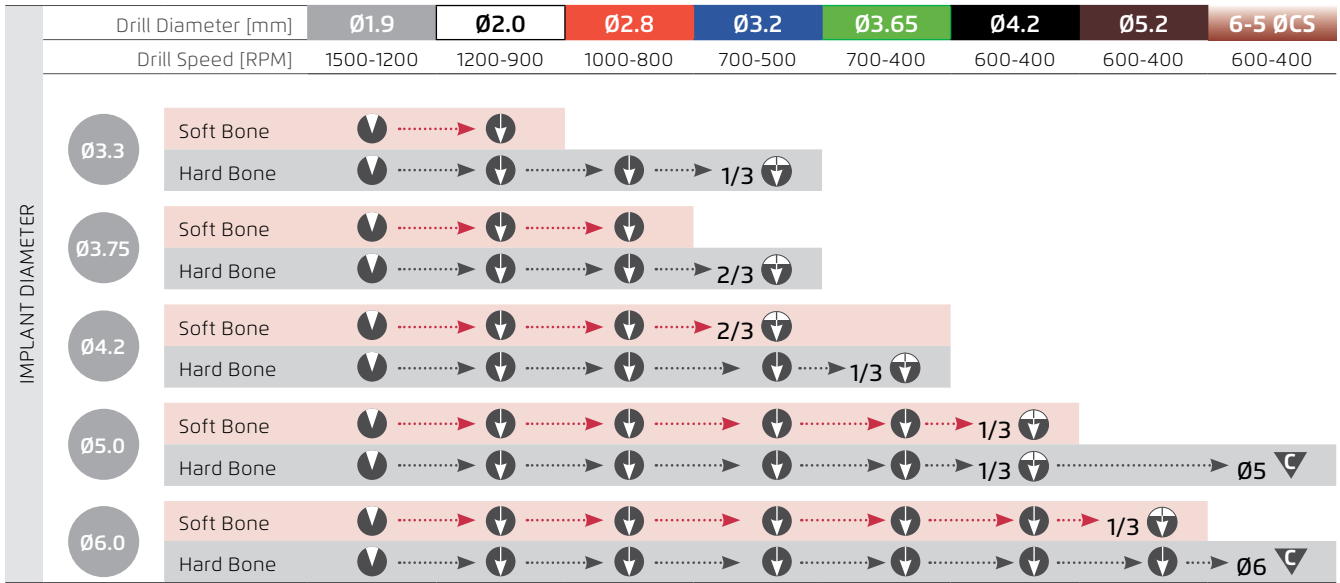
The micro thread at the upper zone adds stability and prevents crestal bone loss

The middle zone square type thread is used for compressing cancellous bone and helps achievement of maximum BIC

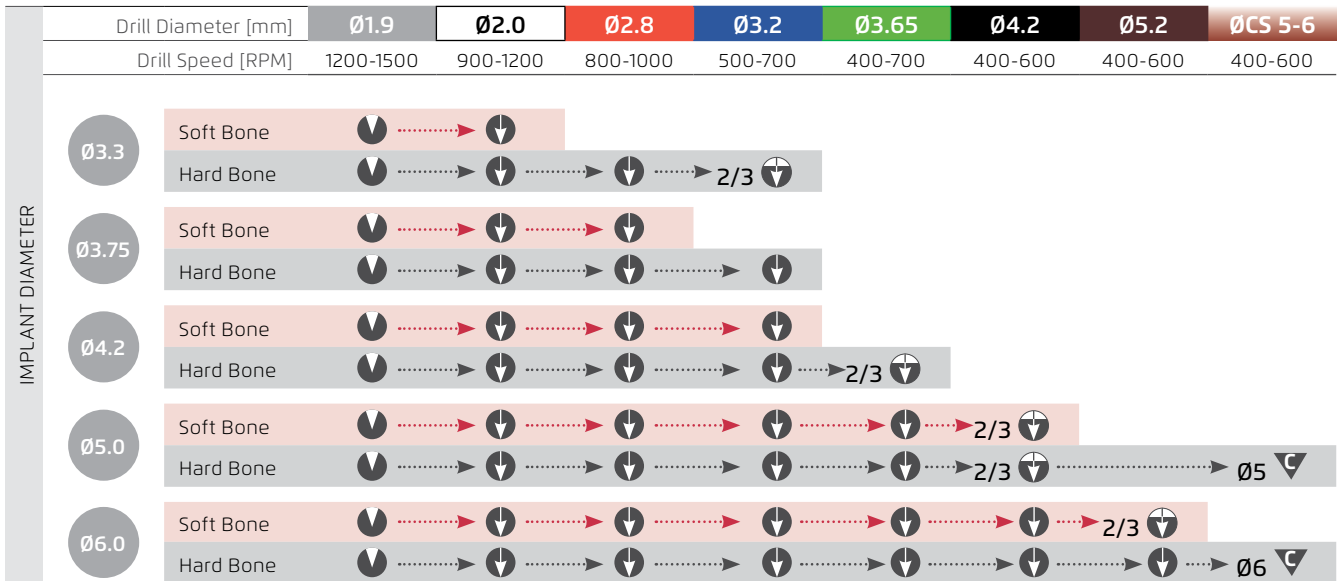
The lower V-shape thread zone enables self-tapping

RECOMMENDED DRILL PROTOCOL

RECOMMENDED STRAIGHT DRILL PROTOCOL



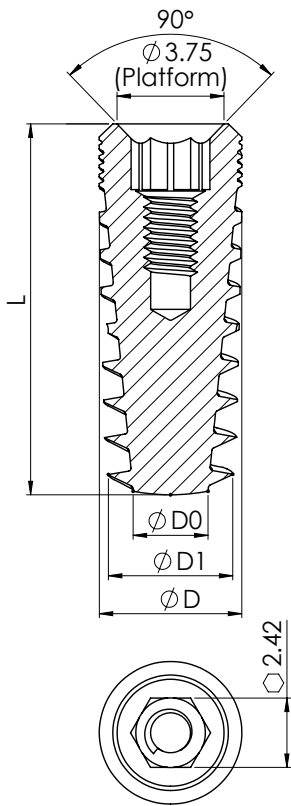
RECOMMENDED STEP DRILL PROTOCOL



	Drill to mark osteotomy site		Drill osteotomy to implant length		Drill osteotomy partially according to implant length		Drill with countersink to prepare the crest
--	------------------------------	--	-----------------------------------	--	---	--	---

* The recommended drill protocol procedure should not replace the dentist's/surgeon's judgment. The implants may be loaded for immediate function when good primary stability (above 35 Ncm) has been achieved and with appropriate occlusal loading.

ORDERING INFORMATION



ϕD (mm)	$\phi D0$ (mm)	$\phi D1$ (mm)	L (mm)	RBM Neck	Machined Neck
3.3	1.5	2.6	8	NM-F3308	NMSF3308
			10	NM-F3310	NMSF3310
			11.5	NM-F3311	NMSF3311
			13	NM-F3313	NMSF3313
			16	NM-F3316	NMSF3316
3.75	1.8	3.1	6	NM-F3706	NMSF3706
			8	NM-F3708	NMSF3708
			10	NM-F3710	NMSF3710
			11.5	NM-F3711	NMSF3711
			13	NM-F3713	NMSF3713
			16	NM-F3716	NMSF3716
			18	NM-F3718	NMSF3718
4.2	2.1	3.5	6	NM-F4206	NMSF4206
			8	NM-F4208	NMSF4208
			10	NM-F4210	NMSF4210
			11.5	NM-F4211	NMSF4211
			13	NM-F4213	NMSF4213
			16	NM-F4216	NMSF4216
			18	NM-F4218	NMSF4218
			20	NM-F4220	NMSF4220
			22	NM-F4222	NMSF4222
			25	NM-F4225	NMSF4225
5.0	2.7	4.5	6	NM-F5006	NMSF5006
			8	NM-F5008	NMSF5008
			10	NM-F5010	NMSF5010
			11.5	NM-F5011	NMSF5011
			13	NM-F5013	NMSF5013
			16	NM-F5016	NMSF5016
6.0	3.8	5.2	6	NM-F6006	NMSF6006
			8	NM-F6008	NMSF6008
			10	NM-F6010	NMSF6010
			11.5	NM-F6011	NMSF6011
			13	NM-F6013	NMSF6013
			16	NM-F6016	NMSF6016

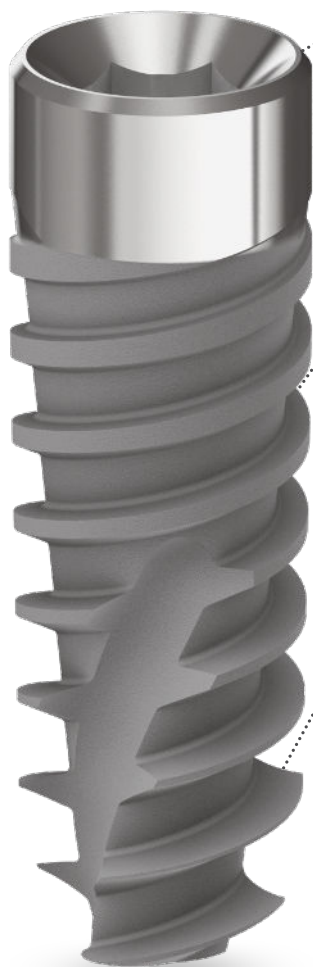
Cover Screw Included in all Internal Hex implants



NM-S5023

CLASSIC SERIES | TUFF PRO™

BONE TYPES	All bone types
PROSTHETICS PLATFORM	Internal hex
DESIGN FEATURES	<ul style="list-style-type: none">• Condensing variable threads design• Apically tapered threads and tapered core body• Double threads with large step• Machined surface coronal portion• Double flutes
CLINICAL BENEFITS	<ul style="list-style-type: none">• Self tapping• High primary stability• Minimal drilling• Fast insertion – optimal for soft bone• Immediate loading - suitable for extraction sites
AVAILABLE OPTIONS	Neck textures: Machined surface



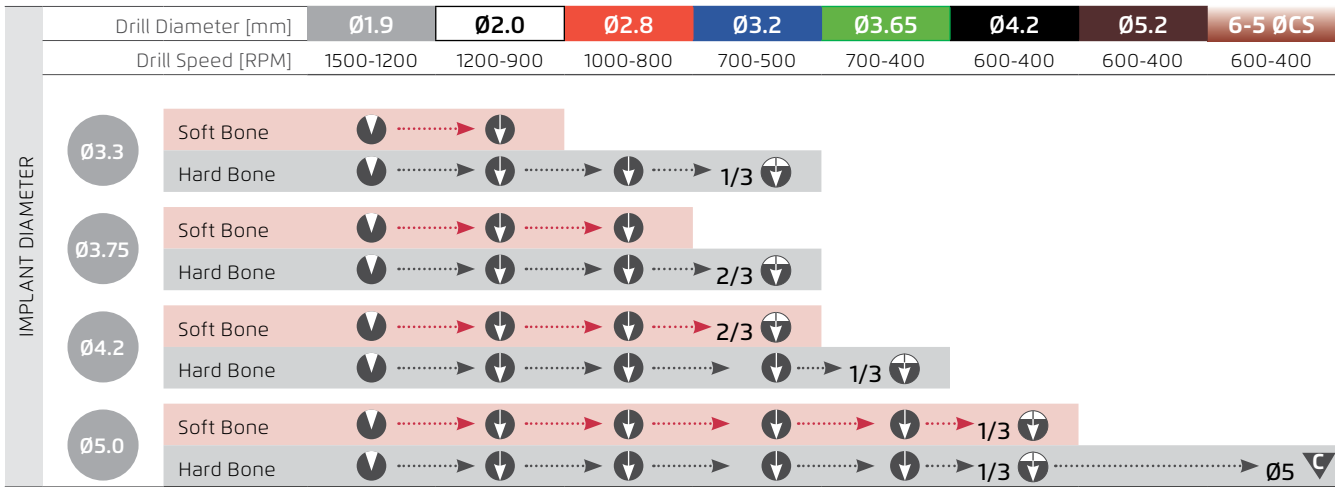
2.42mm hexagon smooth neck to prevent bacterial adhesion

Thread is used for compressing cancellous bone and helps achievement of maximum BIC

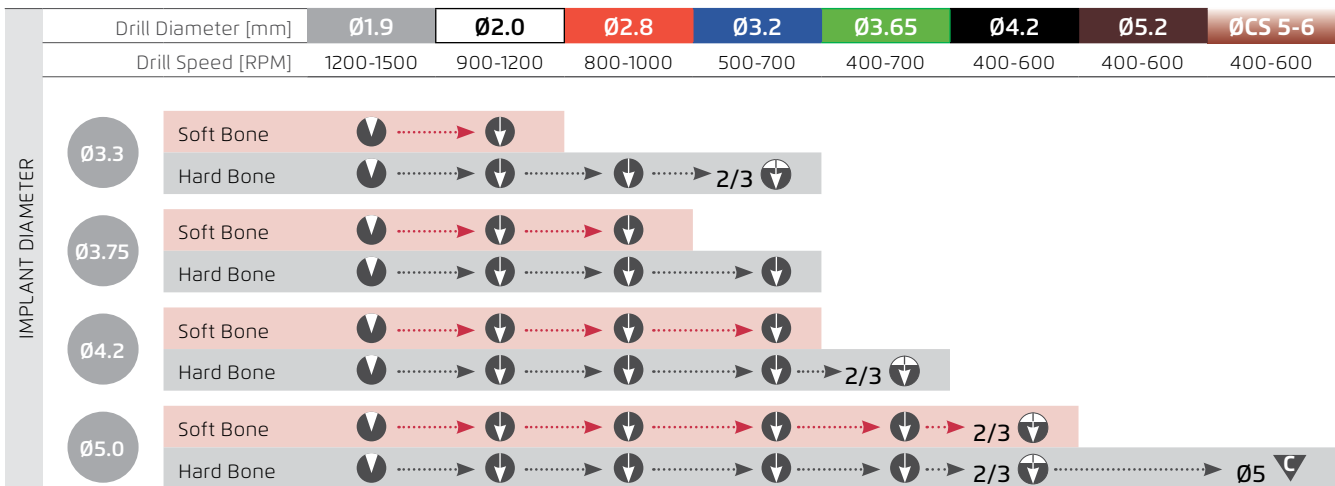
V-shape thread zone


RECOMMENDED DRILL PROTOCOL


RECOMMENDED STRAIGHT DRILL PROTOCOL





RECOMMENDED STEP DRILL PROTOCOL



 Drill to mark osteotomy site

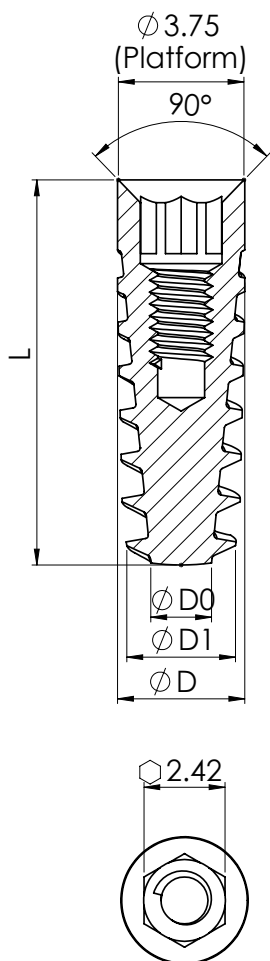
 Drill osteotomy to implant length

 Drill osteotomy partially according to implant length

 Drill with countersink to prepare the crest

* The recommended drill protocol procedure should not replace the dentist/surgeon's judgment. The implants may be loaded for immediate function when good primary stability (above 35 Ncm) has been achieved and with appropriate occlusal loading.

ORDERING INFORMATION



ϕD (mm)	$\phi D0$ (mm)	$\phi D1$ (mm)	L (mm)	Item
3.3	1.5	2.6	8	NMAF3308
			10	NMAF3310
			11.5	NMAF3311
			13	NMAF3313
			16	NMAF3316
3.75	1.8	3.1	8	NMAF3708
			10	NMAF3710
			11.5	NMAF3711
			13	NMAF3713
			16	NMAF3716
4.2	2.1	3.5	6	NMAF4206
			8	NMAF4208
			10	NMAF4210
			11.5	NMAF4211
			13	NMAF4213
			16	NMAF4216
5.0	2.7	4.5	6	NMAF5006
			8	NMAF5008
			10	NMAF5010
			11.5	NMAF5011
			13	NMAF5013
			16	NMAF5016

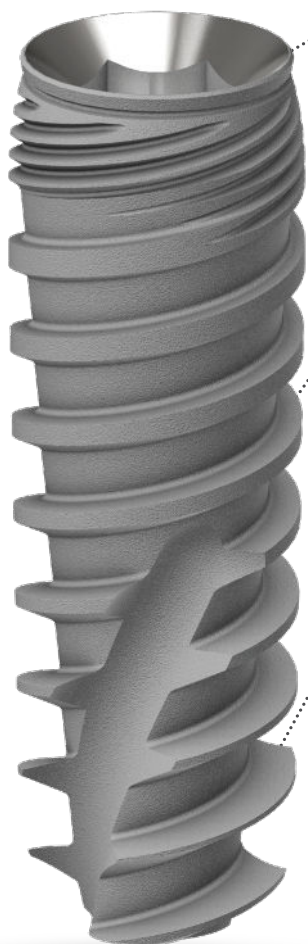
Cover Screw Included in all Internal Hex implants



NM-S5023

CLASSIC SERIES | TUFF TT™

BONE TYPES	All bone types
PROSTHETICS PLATFORM	Internal hex
DESIGN FEATURES	<ul style="list-style-type: none">• Condensing variable threads design• Apically tapered threads and tapered core body• Double threads with large step• Coronal portion• Back tapered coronal portion• Double flutes
CLINICAL BENEFITS	<ul style="list-style-type: none">• Self tapping• High primary stability• Minimal drilling• Reduced pressure on crestal bone• Optimal esthetic results• Immediate loading - suitable for extraction sites
AVAILABLE OPTIONS	Neck textures: RBM surface



The micro thread at the upper zone adds stability and prevents crestal bone loss

The middle zone square type thread is used for compressing cancellous bone and helps achievement of maximum BIC

The lower V-shape thread zone enables self-tapping

RECOMMENDED DRILL PROTOCOL

RECOMMENDED STRAIGHT DRILL PROTOCOL

Drill Diameter [mm]		Ø1.9	Ø2.0	Ø2.8	Ø3.2	Ø3.65	Ø4.2	Ø5.2	6-5 ØCS	
Drill Speed [RPM]		1500-1200	1200-900	1000-800	700-500	700-400	600-400	600-400	600-400	
IMPLANT DIAMETER	Ø4.2	Soft Bone	→ → → → → 2/3				→			
		Hard Bone	→ → → → →				→	→ 1/3		→
	Ø5.0	Soft Bone	→ → → → →				→	→ 1/3		
		Hard Bone	→ → → → →				→	→ 1/3		→ Ø5
	Ø6.0	Soft Bone	→ → → → →				→	→ 1/3		
		Hard Bone	→ → → → →				→	→ 1/3		→ Ø6

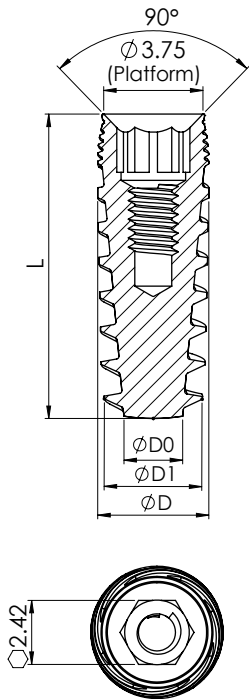
RECOMMENDED STEP DRILL PROTOCOL

Drill Diameter [mm]		Ø1.9	Ø2.0	Ø2.8	Ø3.2	Ø3.65	Ø4.2	Ø5.2	ØCS 5-6	
Drill Speed [RPM]		1200-1500	900-1200	800-1000	500-700	400-700	400-600	400-600	400-600	
IMPLANT DIAMETER	Ø4.2	Soft Bone	→ → → → →				→			
		Hard Bone	→ → → → →				→	→ 2/3		→
	Ø5.0	Soft Bone	→ → → → →				→	→ 2/3		
		Hard Bone	→ → → → →				→	→ 2/3		→ Ø5
	Ø6.0	Soft Bone	→ → → → →				→	→ 2/3		
		Hard Bone	→ → → → →				→	→ 2/3		→ Ø6

	Drill to mark osteotomy site		Drill osteotomy to implant length		Drill osteotomy partially according to implant length		Drill with countersink to prepare the crest
---	------------------------------	---	-----------------------------------	---	---	---	---

* The recommended drill protocol procedure should not replace the dentist's/surgeon's judgment. The implants may be loaded for immediate function when good primary stability (above 35 Ncm) has been achieved and with appropriate occlusal loading.

ORDERING INFORMATION



ϕD (mm)	$\phi D0$ (mm)	$\phi D1$ (mm)	L (mm)	Item
4.2	2.1	3.5	6	NM-F4306
			8	NM-F4308
			10	NM-F4310
			11.5	NM-F4311
			13	NM-F4313
			16	NM-F4316
			18	NM-F4318
			20	NM-F4320
5.0	2.7	4.2	6	NM-F5106
			8	NM-F5108
			10	NM-F5110
			11.5	NM-F5111
			13	NM-F5113
			16	NM-F5116
6.0	3.7	5.0	6	NM-F6106
			8	NM-F6108
			10	NM-F6110
			11.5	NM-F6111
			13	NM-F6113

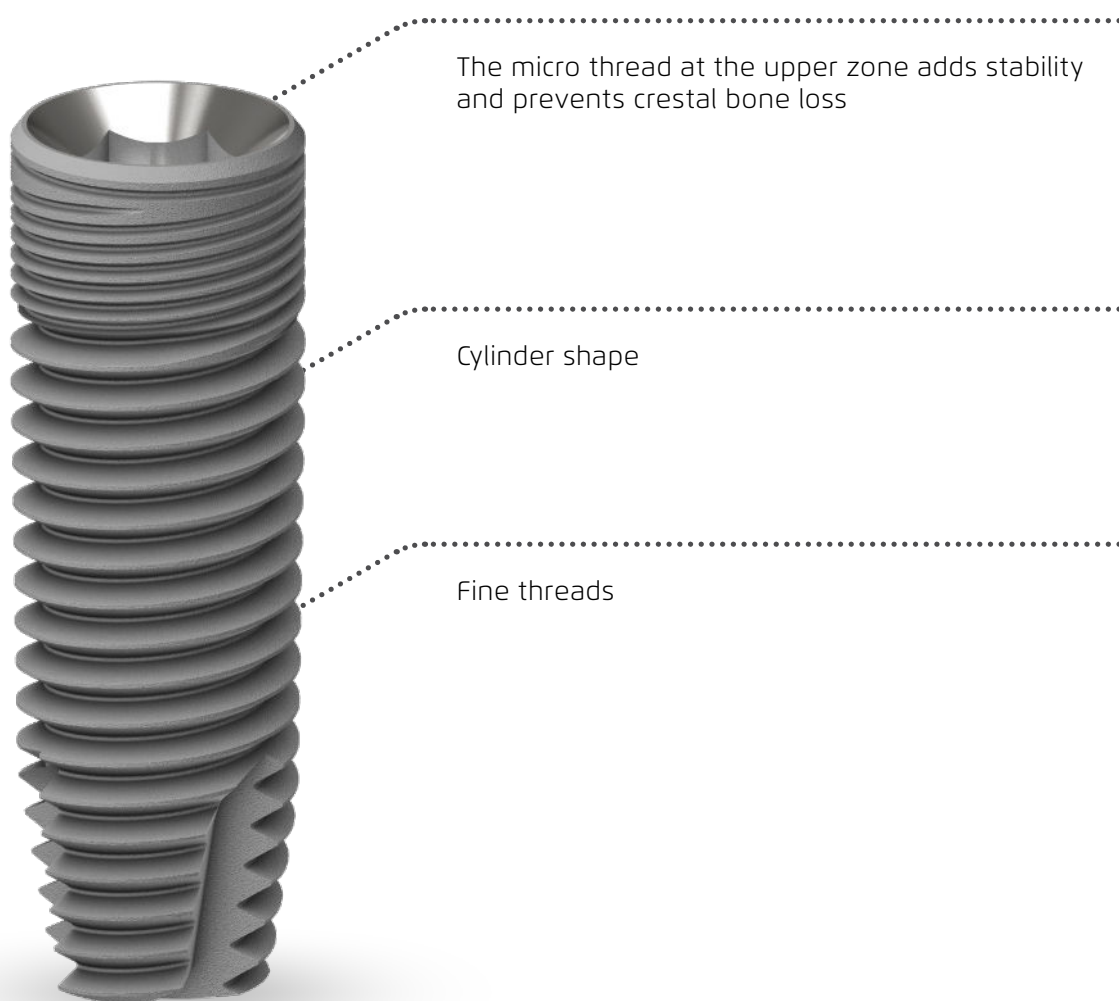
Cover Screw Included in all Internal Hex implants



NM-S5023

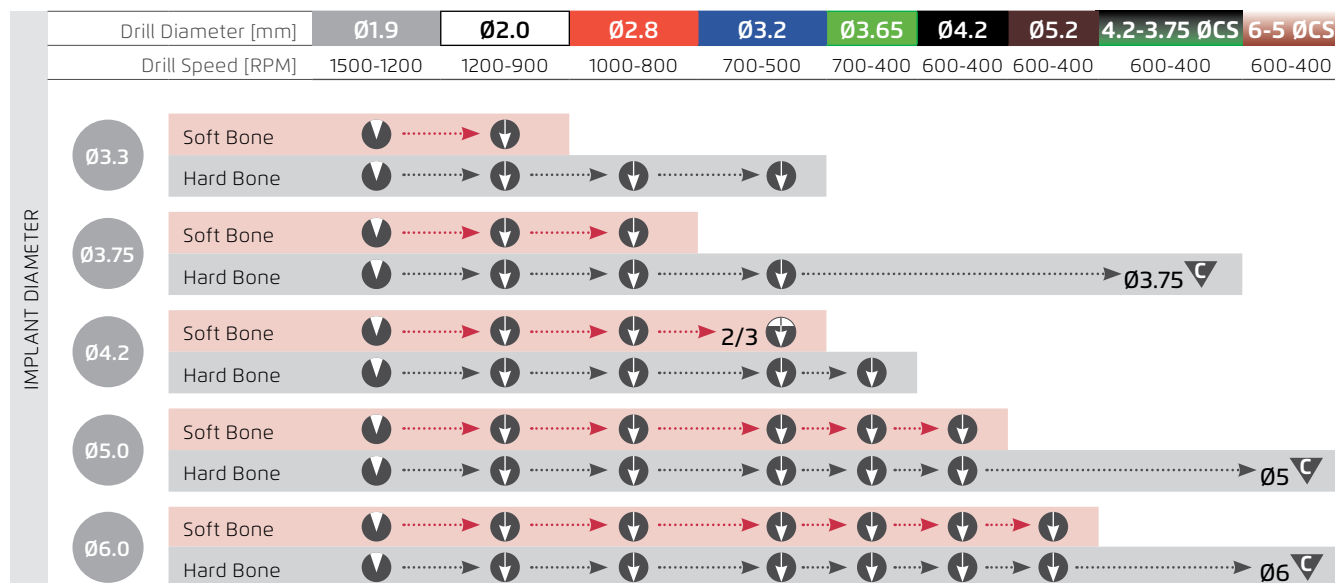
CLASSIC SERIES | ONYX™

BONE TYPES	All Bone Types. Recommended for Hard Bone Type.
PROSTHETICS PLATFORM	Internal hex
DESIGN FEATURES	<ul style="list-style-type: none">• Large surface area• Cylindrical thread and core body• Double threads with small step• Triple cutting flutes
CLINICAL BENEFITS	<ul style="list-style-type: none">• Minimal pressure on hard bone• Maximum bone to implant contact area• Long term stability• Immediate loading – suitable for hard bone

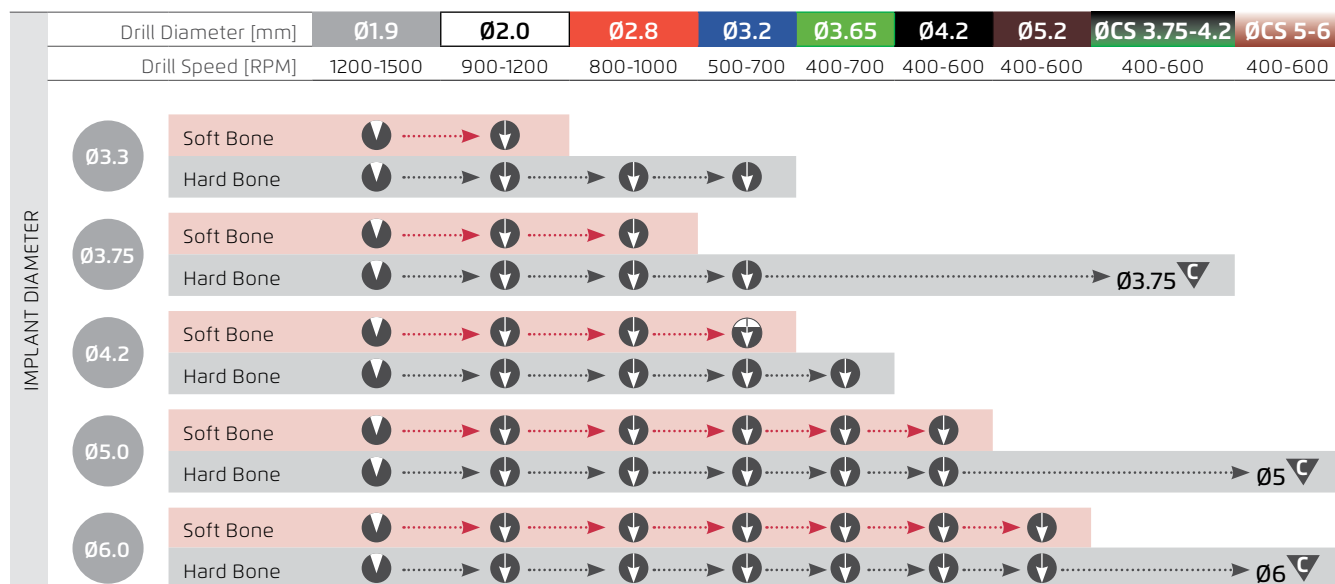


RECOMMENDED DRILL PROTOCOL

RECOMMENDED STRAIGHT DRILL PROTOCOL



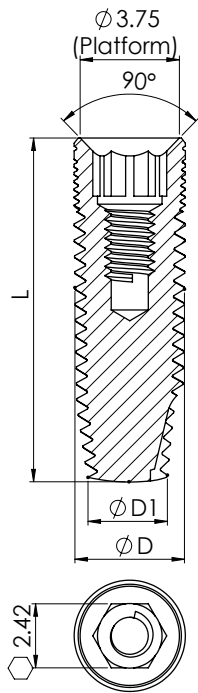
RECOMMENDED STEP DRILL PROTOCOL



	Drill to mark osteotomy site		Drill osteotomy to implant length		Drill osteotomy partially according to implant length		Drill with countersink to prepare the crest
---	------------------------------	---	-----------------------------------	---	---	---	---

* The recommended drill protocol procedure should not replace the dentist's/surgeon's judgment. The implants may be loaded for immediate function when good primary stability (above 35 Ncm) has been achieved and with appropriate occlusal loading.

ORDERING INFORMATION



ϕD (mm)	$\phi D1$ (mm)	L (mm)	Item
3.3	2.4	8	NM-G3308
		10	NM-G3310
		11.5	NM-G3311
		13	NM-G3313
		16	NM-G3316
3.75	2.8	6	NM-G3706
		8	NM-G3708
		10	NM-G3710
		11.5	NM-G3711
		13	NM-G3713
		16	NM-G3716
4.2	3.2	6	NM-G4206
		8	NM-G4208
		10	NM-G4210
		11.5	NM-G4211
		13	NM-G4213
		16	NM-G4216
5.0	4.0	6	NM-G5006
		8	NM-G5008
		10	NM-G5010
		11.5	NM-G5011
		13	NM-G5013
		16	NM-G5016
6.0	5.0	6	NM-G6006
		8	NM-G6008
		10	NM-G6010
		11.5	NM-G6011
		13	NM-G6013

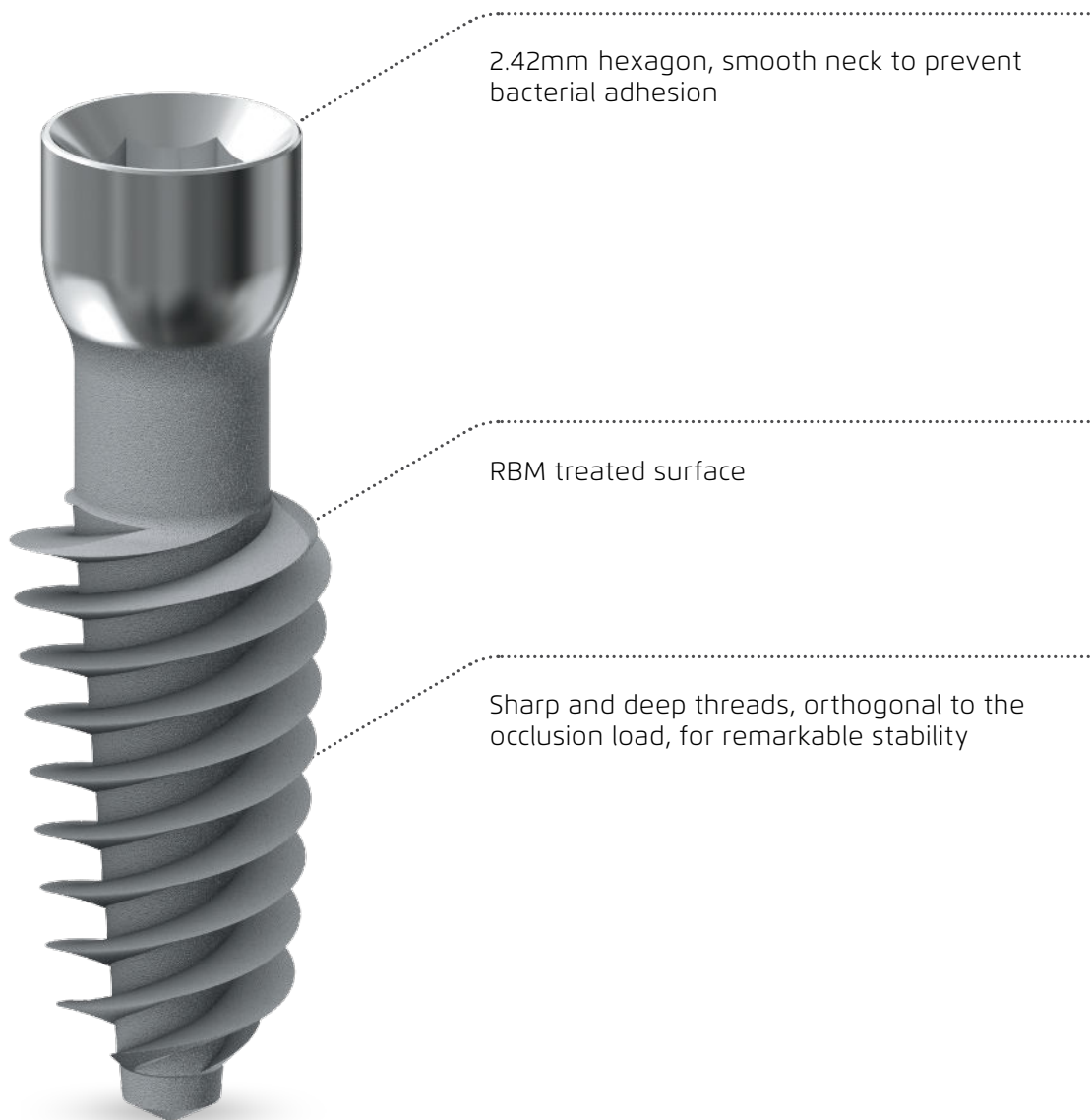
Cover Screw Included with all implants



NM-S5023

CLASSIC SERIES | CORTICAL™

BONE TYPES	All Bone Types. Recommended for Soft Bone Type.
PROSTHETICS PLATFORM	Internal hex
DESIGN FEATURES	<ul style="list-style-type: none">• Large cutting surface area• Tapered thread and tapered core body• Wide and sharp threads
CLINICAL BENEFITS	<ul style="list-style-type: none">• Self tapping• High primary stability• Minimal drilling• Immediate loading - excellent solution for implantation in extractions sites



RECOMMENDED DRILL PROTOCOL

RECOMMENDED STRAIGHT DRILL PROTOCOL

Drill Diameter [mm]		Ø1.9	Ø2.0	Ø2.8	Ø3.2	Ø3.65
Drill Speed [RPM]		1200-1500	900-1200	800-1000	500-700	400-700
IMPLANT DIAMETER	Ø4.0	Soft Bone	→		→	
		Hard Bone	→	→	→	→ 1/3
	Ø5.0	Soft Bone	→		→	
		Hard Bone	→	→	→	→ 2/3
	Ø6.0	Soft Bone	→		→	
		Hard Bone	→	→	→	→ 2/3

RECOMMENDED STEP DRILL PROTOCOL

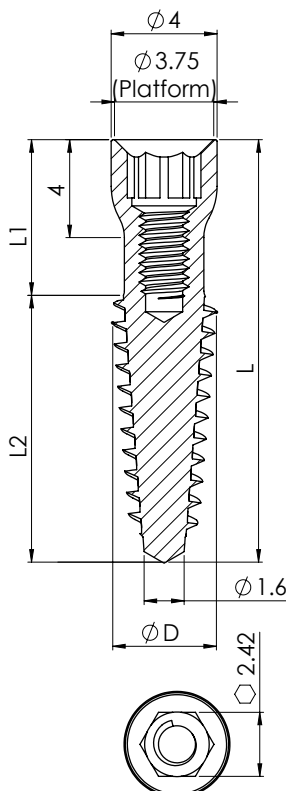
Drill Diameter [mm]		Ø1.9	Ø2.0	Ø2.8	Ø3.2	Ø3.65
Drill Speed [RPM]		1200-1500	900-1200	800-1000	500-700	400-700
IMPLANT DIAMETER	Ø4.0	Soft Bone	→		→	
		Hard Bone	→	→	→	→ 2/3
	Ø5.0	Soft Bone	→		→	
		Hard Bone	→	→	→	→
	Ø6.0	Soft Bone	→		→	
		Hard Bone	→	→	→	→

Drill to mark osteotomy site

Drill osteotomy to implant length

Drill osteotomy partially according to implant length

* The recommended drill protocol procedure should not replace the dentist's/surgeon's judgment. The implants may be loaded for immediate function when good primary stability (above 35 Ncm) has been achieved and with appropriate occlusal loading.



Ø D (mm)	L (mm)	L1 (mm)	L2 (mm)	Item
4.0	10	4.5	5.5	NM-M4010
	11.5	4.7	6.8	NM-M4011
	13	5	8	NM-M4013
	16	6	10	NM-M4016
	18	7	11	NM-M4018
	20	7.5	12.5	NM-M4020
5.0	8	4.1	3.9	NM-M5008
	10	4.5	5.5	NM-M5010
	11.5	4.7	6.8	NM-M5011
	13	5	8	NM-M5013
	16	6	10	NM-M5016
6.0	8	4.1	3.9	NM-M6008
	10	4.5	5.5	NM-M6010
	11.5	4.7	6.8	NM-M6011
	13	5	8	NM-M6013
	16	6	10	NM-M6016

Cover Screw Included with all implants NM-S5023

CLASSIC SERIES | S-IMPLANT™

BONE TYPES	All bone types
PROSTHETICS PLATFORM	Internal hex
DESIGN FEATURES	<ul style="list-style-type: none"> • 6mm length internal hex implant • Various implant designs for soft or hard bone • Condensing variable threads design • Wide threads • High surface area
CLINICAL BENEFITS	<ul style="list-style-type: none"> • Avoid the mandibular nerve • Avoid the maxillary sinus • High primary stability • Distributes occlusal stress • Preserve crestal bone

TUFF

RBM Neck

Machined Neck



(Ø D (mm)	(mm) Ø D0	(mm) Ø D1	(L (mm)	Ref. No	Ref. No
3.75	1.8	3.1	6	NM-F3706	NMSF3706
4.2	2.1	3.5	6	NM-F4206	NMSF4206
5.0	2.7	4.5	6	NM-F5006	NMSF5006
6.0	3.8	5.2	6	NM-F6006	NMSF6006

TUFF PRO



(Ø D (mm)	(mm) Ø D0	(mm) Ø D1	(L (mm)	Ref. No
4.2	2.1	3.5	6	NMAF4206
5.0	2.7	4.5	6	NMAF5006

TUFF TT



(Ø D (mm)	(mm) Ø D0	(mm) Ø D1	(L (mm)	Ref. No
4.2	2.1	3.5	6	NM-F4306
5.0	2.7	4.2	6	NM-F5106
6.0	3.7	5.0	6	NM-F6106

ONYX



(Ø D (mm)	(mm) Ø D1	(L (mm)	Ref. No
3.75	2.8	6	NM-G3706
4.2	3.2	6	NM-G4206
5.0	4.0	6	NM-G5006
6.0	5.0	6	NM-G6006

Cover Screw Included with all implants



NM-S5023

RECOMMENDED DRILL PROTOCOL

RECOMMENDED STRAIGHT DRILL PROTOCOL

Drill Diameter [mm]		Ø1.9	Ø2.0	Ø2.8	Ø3.2	Ø3.65	Ø4.2	Ø5.2	6-5 ØCS
Drill Speed [RPM]		1500-1200	1200-900	1000-800	700-500	700-400	600-400	600-400	600-400
IMPLANT DIAMETER	Ø3.75	Soft Bone	▼	▼	▼				
		Hard Bone	▼	▼	▼	2/3 ▼			
	Ø4.2	Soft Bone	▼	▼	▼	2/3 ▼			
		Hard Bone	▼	▼	▼	▼	1/3 ▼		
	Ø5.0	Soft Bone	▼	▼	▼	▼	▼	1/3 ▼	
		Hard Bone	▼	▼	▼	▼	▼	▼	Ø5 ▼
	Ø6.0	Soft Bone	▼	▼	▼	▼	▼	▼	1/3 ▼
		Hard Bone	▼	▼	▼	▼	▼	▼	▼

RECOMMENDED STEP DRILL PROTOCOL

Drill Diameter [mm]		Ø1.9	Ø2.0	Ø2.8	Ø3.2	Ø3.65	Ø4.2	Ø5.2	ØCS 5-6
Drill Speed [RPM]		1200-1500	900-1200	800-1000	500-700	400-700	400-600	400-600	400-600
IMPLANT DIAMETER	Ø3.75	Soft Bone	▼	▼	▼				
		Hard Bone	▼	▼	▼	▼			
	Ø4.2	Soft Bone	▼	▼	▼	▼			
		Hard Bone	▼	▼	▼	▼	2/3 ▼		
	Ø5.0	Soft Bone	▼	▼	▼	▼	▼	2/3 ▼	
		Hard Bone	▼	▼	▼	▼	▼	▼	Ø5 ▼
	Ø6.0	Soft Bone	▼	▼	▼	▼	▼	▼	2/3 ▼
		Hard Bone	▼	▼	▼	▼	▼	▼	▼

	Drill to mark osteotomy site		Drill osteotomy to implant length		Drill osteotomy partially according to implant length		Drill with countersink to prepare the crest
---	------------------------------	---	-----------------------------------	---	---	---	---

* The recommended drill protocol procedure should not replace the dentist's/surgeon's judgment. The implants may be loaded for immediate function when good primary stability (above 35 Ncm) has been achieved and with appropriate occlusal loading.

CLINICAL CASE

Repair Sinus Perf and Lack of Buccal Plate

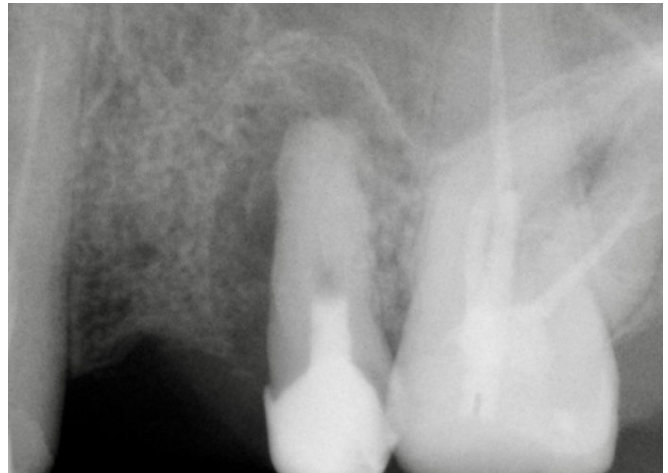
Surgery by **Michael Katzap, DDS**

68 year old female presented with failing tooth-supported bridge at the left maxilla. The exam revealed a fractured second premolar root with a chronic periradicular infection.

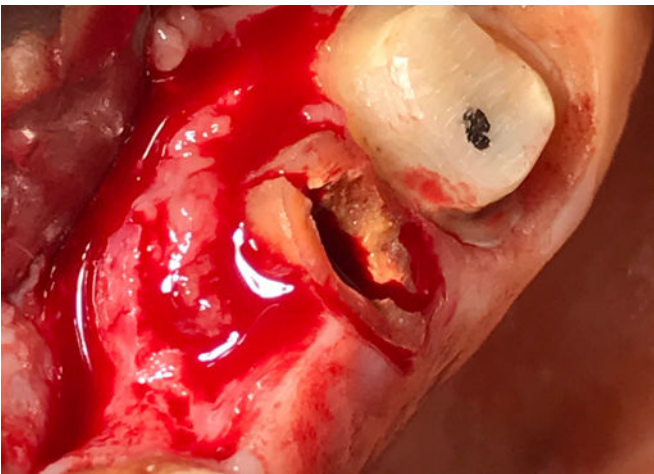
- Extraction and cystectomy revealed sinus communication. The communication was closed with Augma bone graft cement and the area was grafted with biphasic calcium sulfate / HA (Augma bond apatite).
- After seven months of healing (due to COVID quarantine) two Noris Medical Tuff implants were placed using osseodensification drilling protocol.
- The spiral aggressive thread of the Tuff allowed excellent clinical stability. The implants were restored four months after placement.



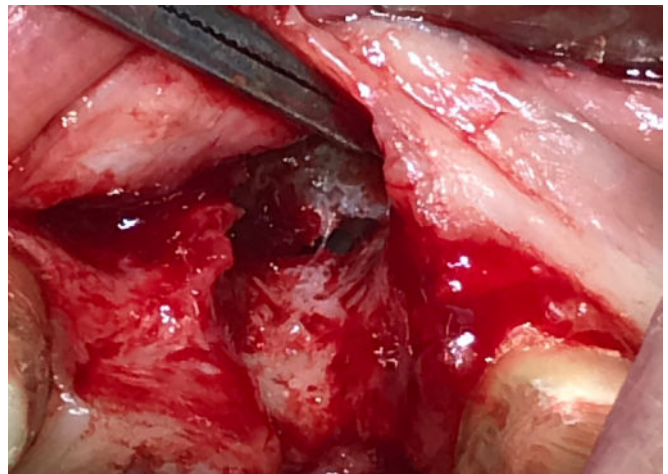
1. Failing distal bridge abutment



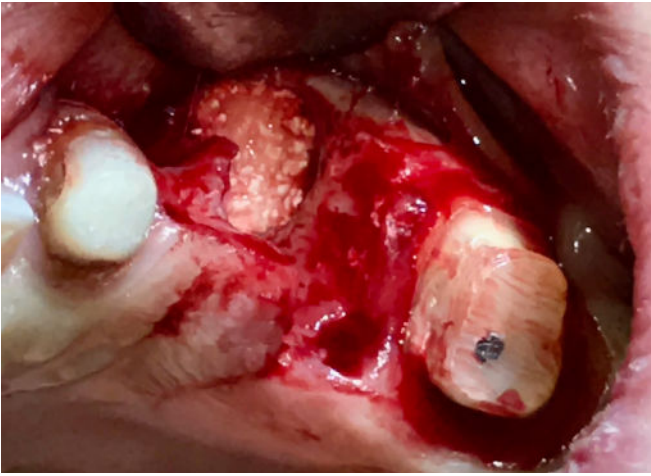
2. X-rays day of SX and GBR



3. Fracture and infection



4. Sinus communication



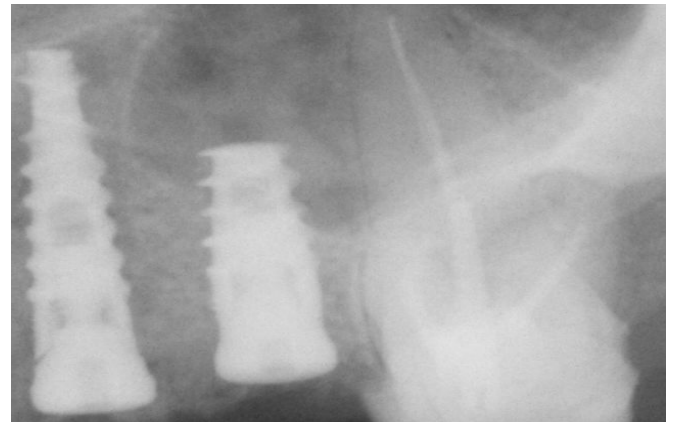
5. 3D Bond to close sinus communication



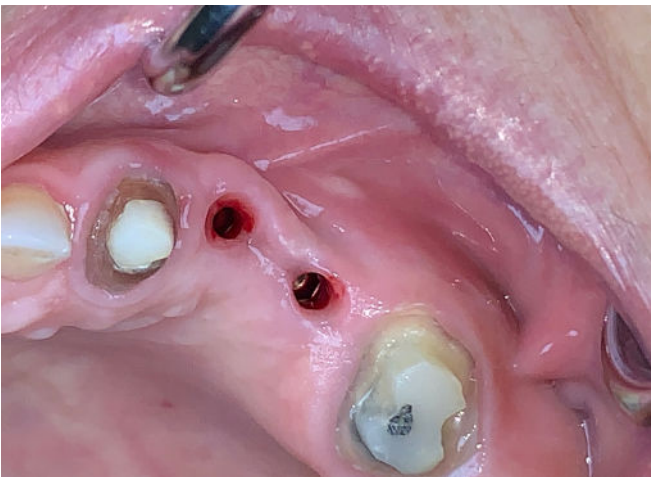
6. Bond appatite final layer



7. Noris Tuff Placed after ridge healing



8. Noris medical TUFF Implants placed in to healed ridge



9. After uncovery ready for impressions



10. Abutment fit verification



11. Abutments in place



12. Restoration in place

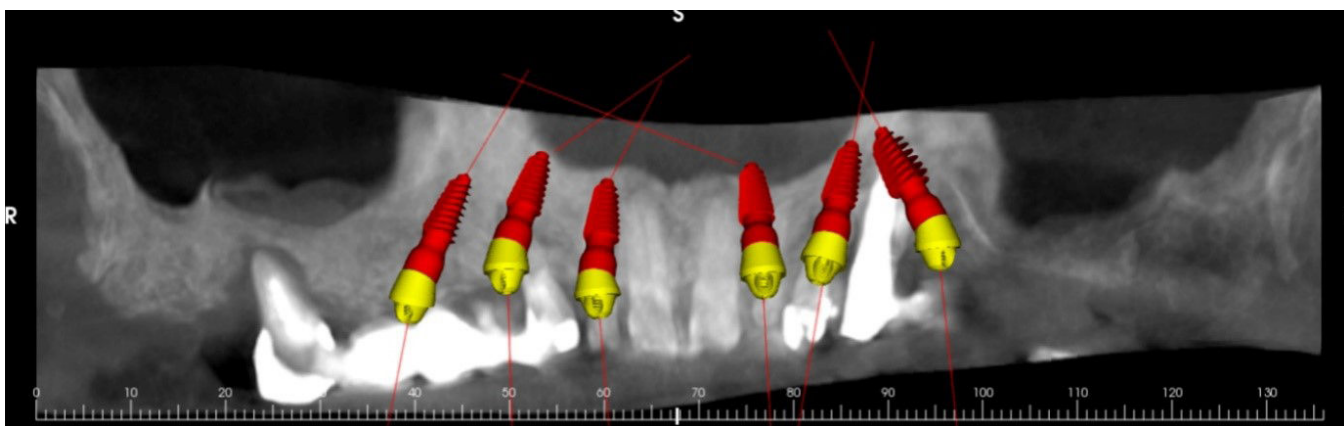
CLINICAL CASE

Noris Cortical Implants for Full Arch Immediate Loading

Surgery by **Dr. Fabio M. Filannino**

The Noris cortical implant enables bi-cortical anchorage thus increasing the primary stability which is required for immediate loading.

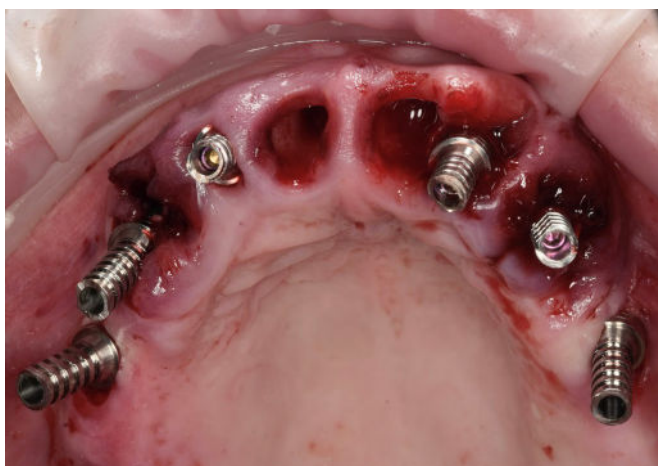
The Noris Cortical System can be used in extraction sites. It's available in different sizes to suit any implantation site. The sharp and deep threads, orthogonal to occlusion load are the key for remarkable initial stability.



The patient presented here is a nice lady who wants her upper jaw to be rehabilitated with a fixed prosthesis.

From the CBCT she has only 3 frontal teeth that can be maintained but with periodontal problems, so we decided together to extract them all and to restore the maxilla as a full arch on 6 implants using guided surgery and immediate loading protocol.

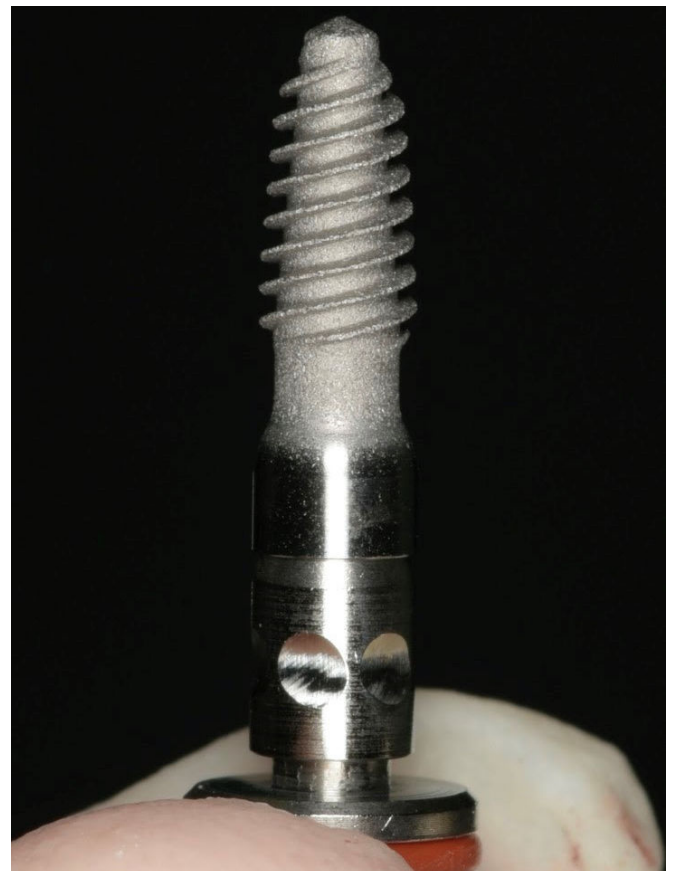
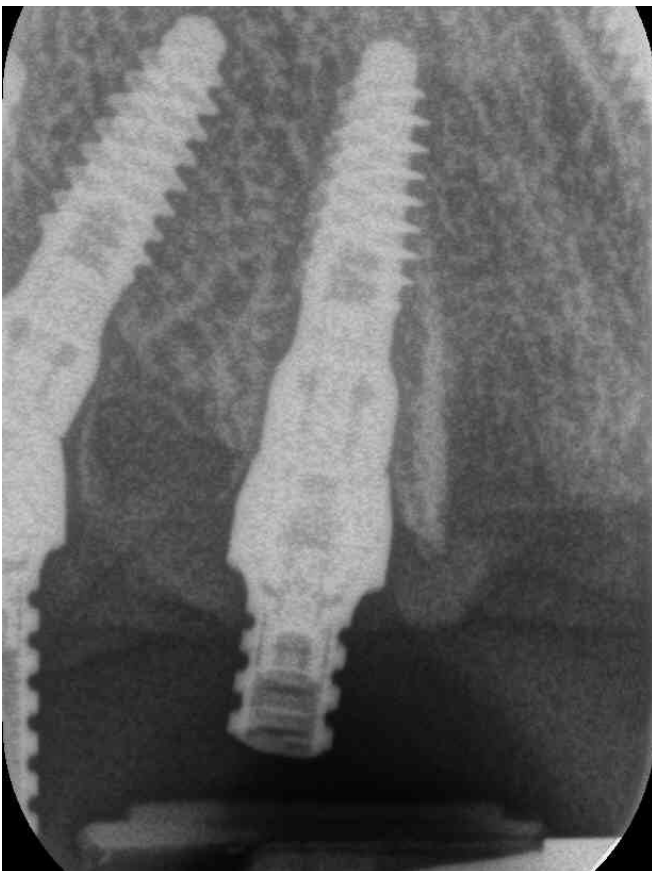
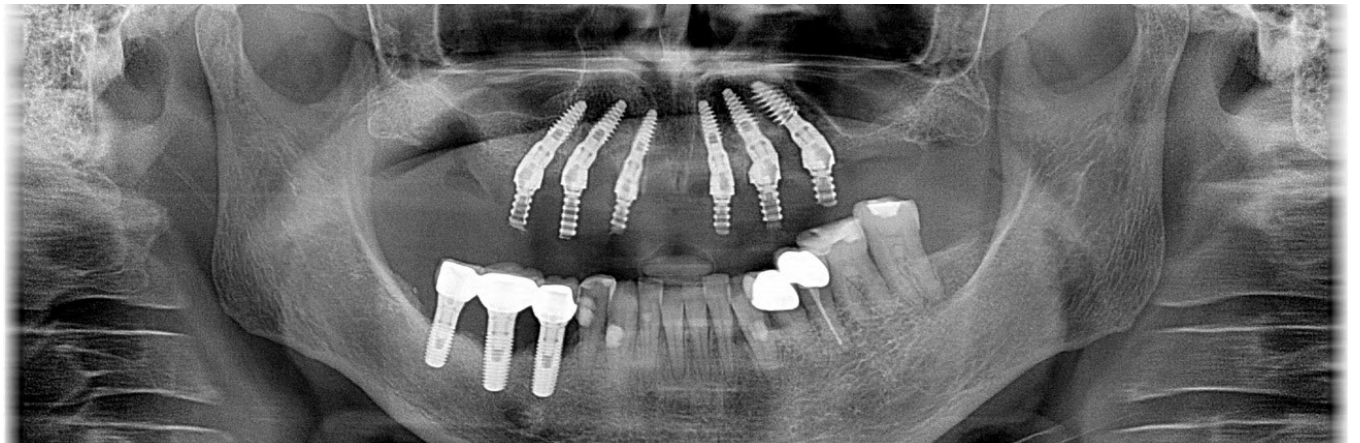
Cortical implants by Noris Medical were selected to improve primary stability. After the old prosthesis was removed, the right maxillary second and the left first premolar came out with it.



Cortical implants can be positioned bone level, tissue level or minimally subcrestal; In this case we've chosen to insert them bone level.

After the implant insertion, we've used 30° and 17° degrees MUA to correct the angulation as we planned before.

After fixing the temporary cylinders with the full-arch prosthesis, our laboratory spent some time refining the prosthesis that was delivered to the patient just after 6 hours from the first intraoral picture when we started the surgery.



Cortical Implant gives us

- Self-tapping
- High primary stability
- Minimal drilling
- Immediate loading - an excellent solution for implantation in extractions sites

We Can Make You
Smile

