p-i

Developed By P-I Brånemark

MT-F

THE NEXT GENERATION

SMART GUIDE

MT-F
THE NEXT GENERATION

SIMPLE EXPERIENCE FOR EXCEPTIONAL OUTCOMES

Enhanced Biological Metrics to unlock immediate replacement potential

The P-I Implant Systems were developed by Professor Per-Ingvar Brånemark, the Osseointegration pioneer, jointly with scientists from renowned universities and the P-I Research & Development team to meet the modern implant dentistry demands.

In 2012, Ospol AB Sweden was acquired, and key technologies were integrated in the P-I solutions.

With the human biology, long-term expertise, clinical and scientific evidences as a foundation, our main objective is to support you in patient-focused treatments by providing Implant Systems that represent: Simplification • High Performance • Safety and Longevity

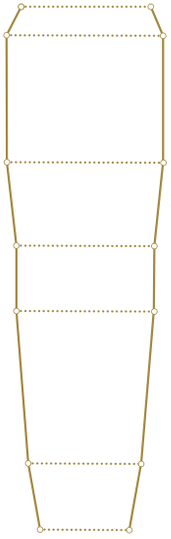
MT-F is the Next Generation System, a result of the P-I Brånemark fundamentals evolutionized by outstanding Biological Metrics and Simplicity.

p-i

Developed By P-I Brånemark

Contents

Consult Instructions for Use. Some products might not be available in your region. Images are for illustrative purposes only. Measurements in millimeters. Ø = diameter, h = margin height, [ ] Offset. This Smart Guide contains data from internal files including sponsored and independent studies. For more information, see pibranemark.com



Adaptive bone contact

Multiple transitions • Interpolated core

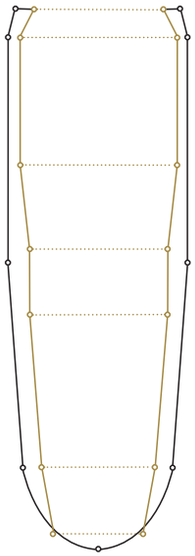
Less bone displacement

In all bone densities

MT-F

Less Trauma • Site Engagement

Cutting threads • Pronounced depth in all sections



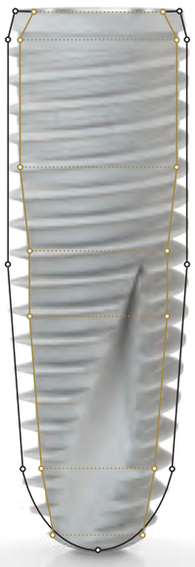
MT-F

UNIQUENESS

The multiplicity of interpolated core transitions associated with the P-I Conical Drills site preparation, and the gradual evolution of the pronounced depth cutting threads, result in a gentle implant-to-osteotomy engagement in all sections independently.

These unique geometrical combinations provide greater initial contact area with significantly less bone displacement and compression enhancing the Biological Metrics.

⇧ ISQ ITV ↗ RTQ %



Less compression • Progressive torque • Greater area

MT-F displaces significantly less bone volume and achieves similar or higher Insertion Torque Value in all bone densities, exhibiting greater area in comparison to the leading competitive tapered-active implants of similar dimensions. Data on file.

MT-F

Enhanced Biological Metrics

ISQ | ITV | RTQ %

Biological Metrics

High initial and secondary Implant Stability Quotient • ISQ measurements by Resonance Frequency Analysis • RFA in association with sufficient Insertion Torque Value • ITV and low rotational micro-mobility, indicated by the proportional Removal Torque • RTQ% to the obtained ITV, are relevant Biological Metrics and critical success factors for the prosthetic rehabilitation of patients with implants in post extraction, healed and compromised sites, low density bone and in combination with tissue regeneration techniques.

The P-I expertise

Our expertise related to ISQ using RFA micromovement measurements to clinically monitor Osseointegration and to determine when to load implants, originates from the acquisition of Ospol AB in 2012.

Ospol AB and Osstell AB were sister companies established in Sweden and developers of an Implant System and RFA measurement technologies, respectively. The Ospol AB developments of the last 20 years are comprised within the P-I Implant Systems and the newest technologies are present in The Next Generation • MT-F System.

OSPOL® + p-i

sister companies

OSSTELL

Increased coronal space

Slightly inward flange

Cortical stability

Micro Patterns

Adaptive bone contact

Interpolated core transitions

Gradual thread evolution

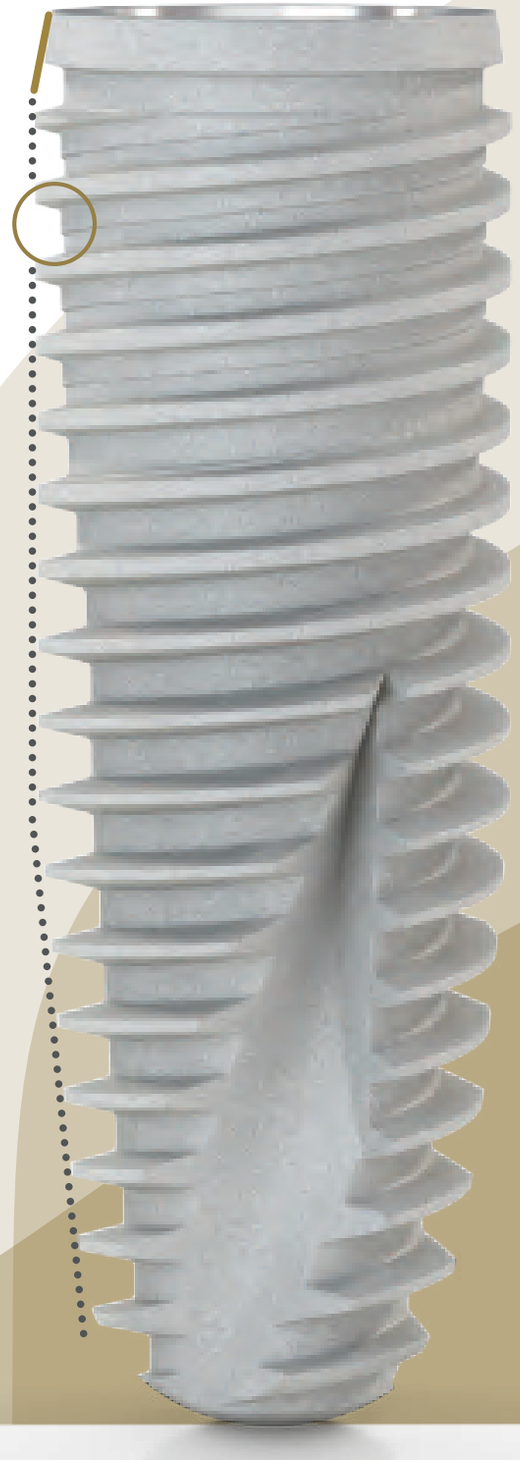
Pronounced depth in all sections

Early engagement

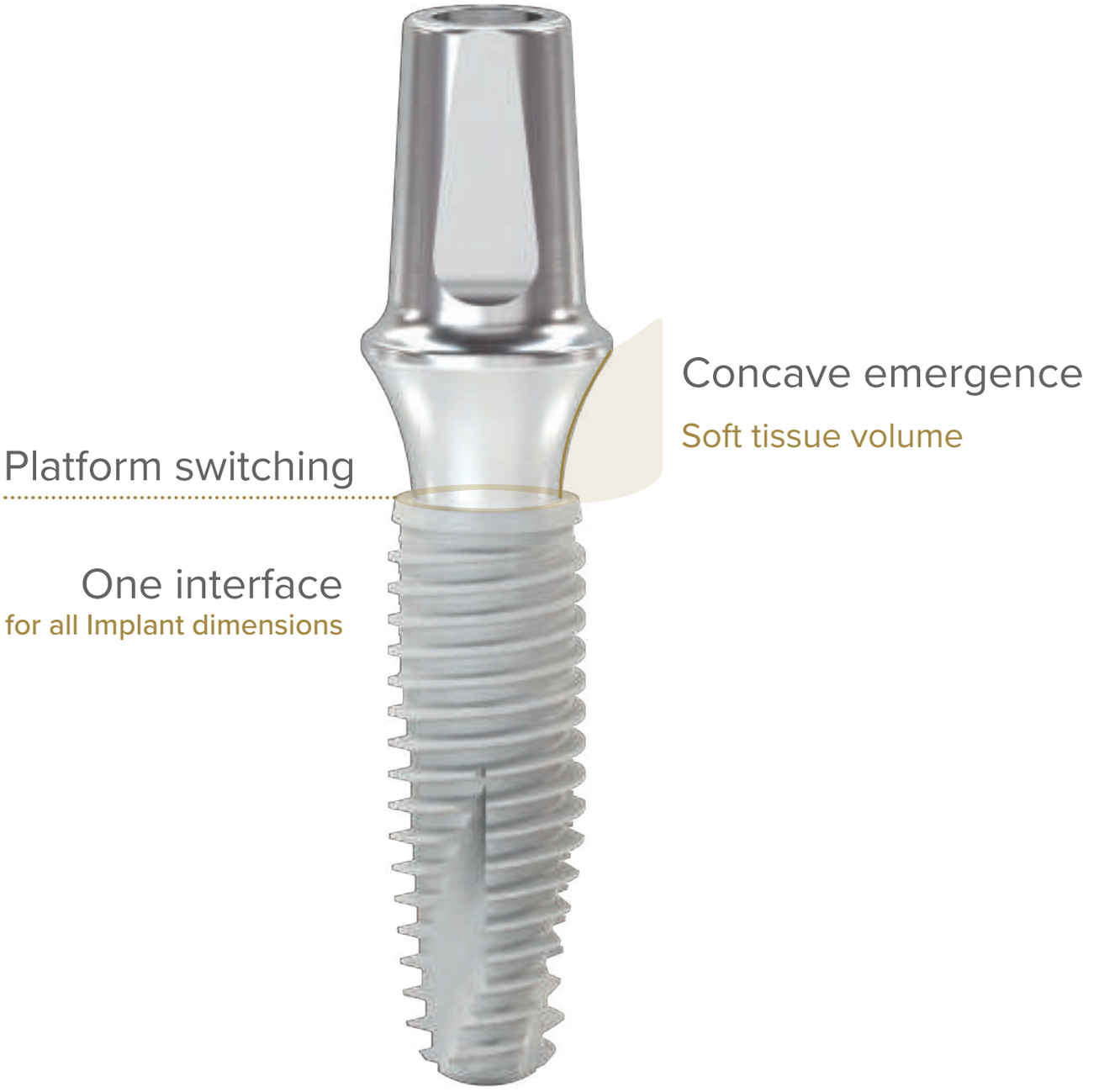
Gentle cutting • Dual thread

Axial insertion control

Biological Width positioning



MT-F



Peri-implant tissue preservation

MT Interface

Biological
Width

Double
Sealing
System stability

Interface in clinical use for 15+ years • Superior biomechanics • Double Sealing

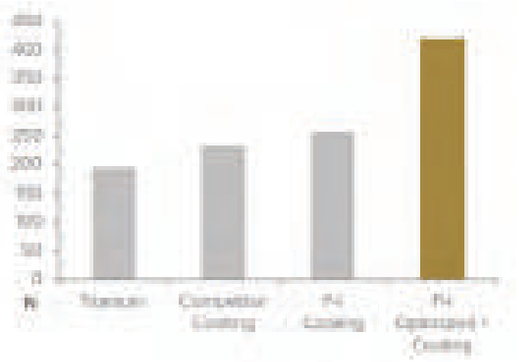
The P-I Morse Taper is an original technology. Highlighting 8.5° x 2 conical indexed, 3mm long, the P-I MT Interface offers a high torsional yield and fatigue strength when compared to other leading systems and was adopted by a global leader in 2015. The MT-F Ø 3.3 Implant can withstand static load of approximately 600N. Data on file.

The high-preload Double Sealing mechanism has easy prosthetic reversibility, seals the Abutment on the MT Interface and the MT Screw on the Abutment, stabilizing the system, minimizing micromovement and microleakage in comparison to certain leading systems under simulated occlusal stress. The Double Sealing is an important hypothesis for the clinical consideration of MT-F Implant placement observing Biological Width principles.

One Interface
Various prosthetic platforms

High Pre-Load
Effective sealing

P-I Coating +



Easy reversibility
Low stress to peri-implant tissue

Sealing starts at provisionalization

P-I Coating+ is a biocompatible layer that reduces friction and, combined with the MT Screw optimized geometry, provides a substantially higher and homogeneous pre-load, clamping, in comparison to titanium screws at the same tightening torque of 25 Ncm. Data on file. MT Retriever is used to cancel the morse sealing and safely remove Abutments.

Prosthetic Overview

Screw-Retained	Cement-Retained	Screw • Cemented

D DIGITAL prosthetics

One MT Interface for all MT-F Implant dimensions

Locator® Abutments available

D See DIGITAL Prosthetics. Libraries are available at pibranemark.com and/or from CAD/CAM software system. Direct Geometries, 3D model Analogs and Geometry Contours available. Link C post has Dentsply Sirona, CEREC® dimensions. Always check latest library version and availability.

Same MT Screw and Prosthetic Driver Ø 1.2 for all Abutments, except straight Conical Abutment and Locator®. All P-I Components are supplied with the respective screw, except Milling Blank.

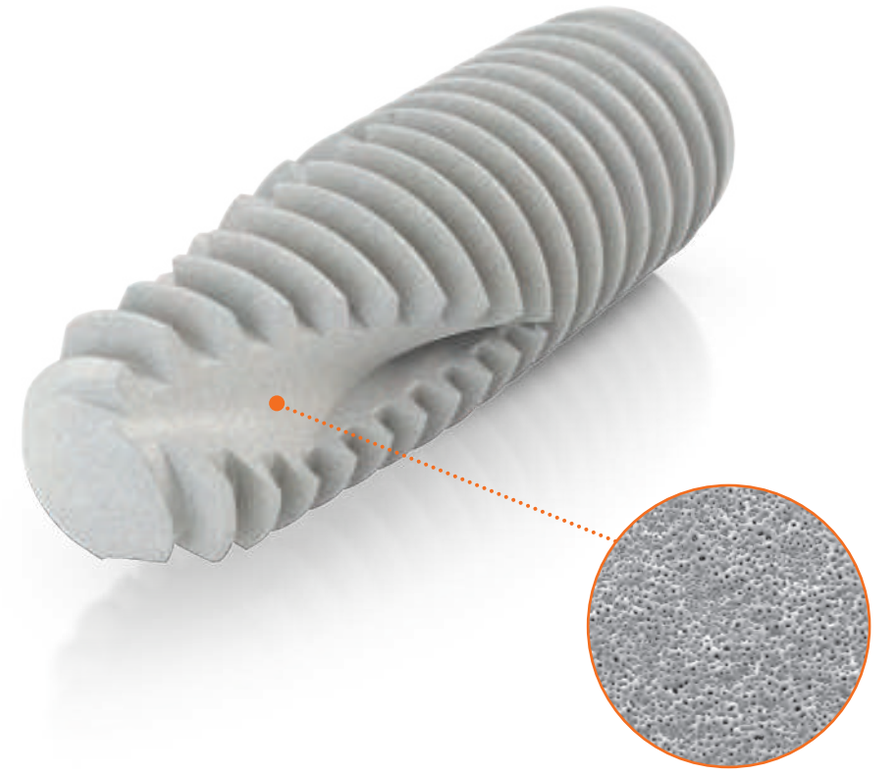
D files for open source software pibranemark.com

3shape exocad

Strong Osseointegration

REDUCTION OF BIOFILM INFECTIONS

BIOACTIVE



OSPOL
SURFACE

Improved bone response

In comparison to rougher oxidized and blasted surfaces

Less bacterial adhesion

Equivalent to turned surfaces • Minimally rough

Chemically enhanced

Anodized • Bioactive ions

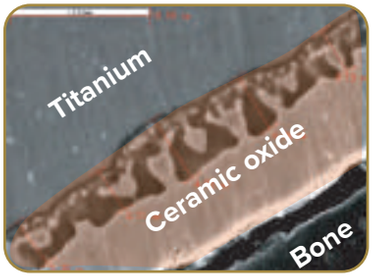
OSPOL
SURFACE

Widely documented

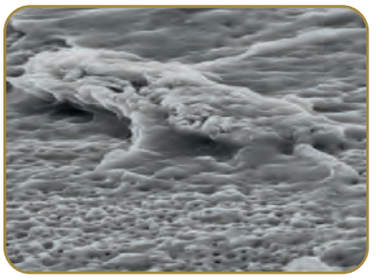
Evolution of moderately rough surfaces

Direct and early response

Oxide, micropores and crystal structures greatly influence bone response



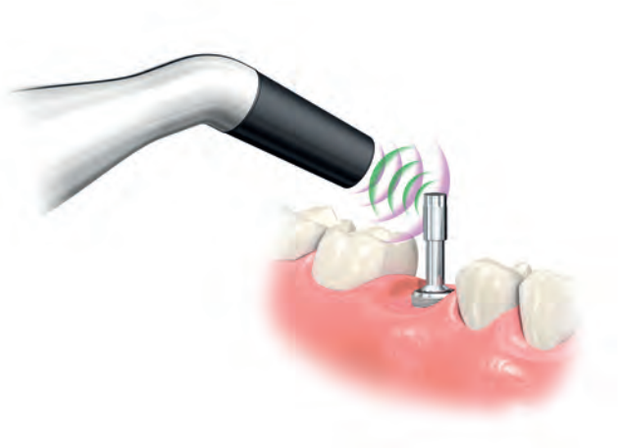
Biochemical bond, bone in-growth and mechanical interlocking



Courtesy of : YT Sul, A. Wennerberg, T. Albreaktsson

Surface chemistry, anodic oxidation and ion incorporation, enhance Osseointegration and compensate for minimal roughness

OSPOL Surface was developed in the Gothenburg University, Sweden, and is documented in several publications. In continual evolution since 2000 and in clinical use for over 15 years, the OSPOL Surface is a modern technology for a rapid and strong bone response and its modification method was adopted by a global leader in 2019. Less prone to bacterial adhesion, it is a pioneer technology for chemical modification of thin anodized, oxidized, ion incorporation of smoother implants surfaces.



Higher ISQ for chemically-modified Surface

OSPOL Surface modification method achieves faster secondary Implant Stability Quotient • ISQ measured by Resonance Frequency Analysis RFA indicating potential for shorter healing periods.

Less bacterial adhesion and biofilm formation

BIOACTIVE

OSPOL Surface is easier to clean than rougher surfaces and its bioactivity reduces biofilm formation. The bacterial adhesion is similar to turned, machined surfaces.

(!) Some conditions, whether combined or not, represent contraindications, limitations and risks, relative and absolute, for the treatment of patients with implants. There are several risk factors in Osseointegration widely described in literature. ISQ is a critical factor to clinically monitor Osseointegration. Data from pre-clinical studies.

ENHANCED
Ceramic Surface

DIGITAL prosthetics

The P-I ENHANCED Ceramic Surface for Prosthetic Components is a smooth, tailored anodized surface technology that can potentially offer additional benefits for soft tissue in comparison to untreated titanium.

The acid-free P-I ENHANCED Ceramic Surface also exhibits a golden color for improved esthetics.

Kit

Surgical & Prosthetic

Stainless Steel

BIOSAFETY & DURABILITY

Conventional

Conical Drills

Less friction. Less trauma

Constant apical conical angle • 3 cutting areas

Corrosion protection

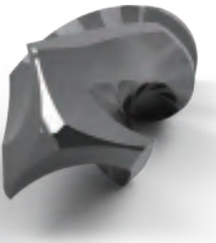
Wear resistance • Diamond Like Carbon

State-of-the-art

Special P-I design

Exceptional cutting performance

P-I Conical Drills' performance in dense bone, at the highest recommended rotation, without gradual diameter increments and applying constant feeding, present a very low friction therefore lower temperature transmission to bone tissue. Data on file.



Easy, simplified installation

Maximum of 3
low speed steps

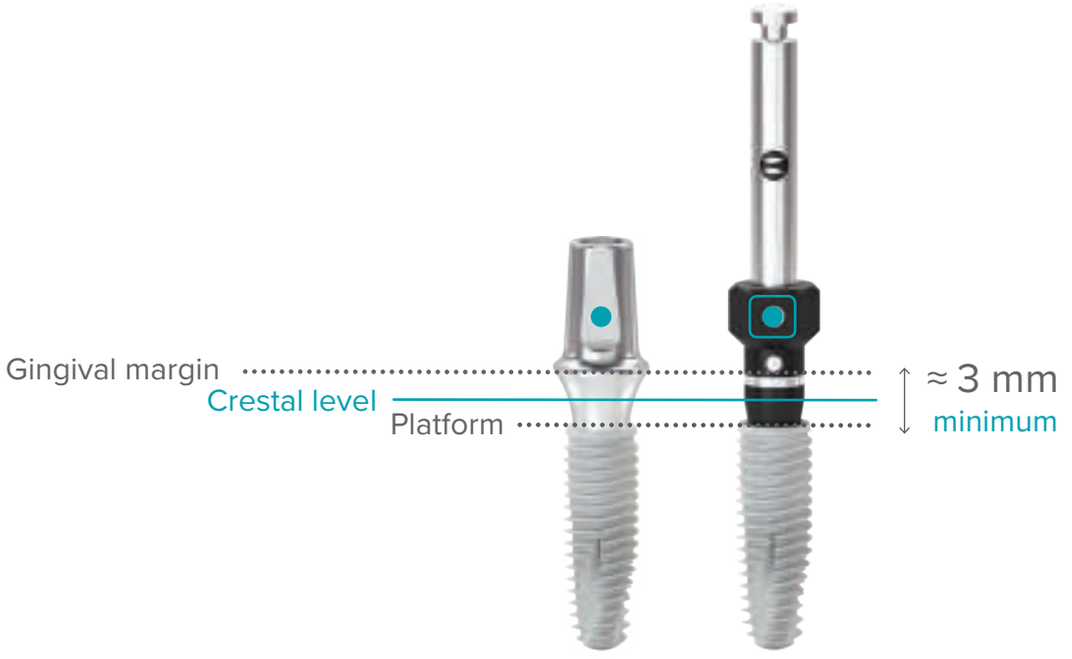
(!) Except for MT-F Ø 4.8 Implant, 3 or 4 low speed steps are used. See Surgical Sequence. Spade and Round burr are optional. No pilot drill, counter sink or screw-tap required.

Insertion Driver

Handpiece • Manual • Torque Wrench

Biological Width

Driver reference



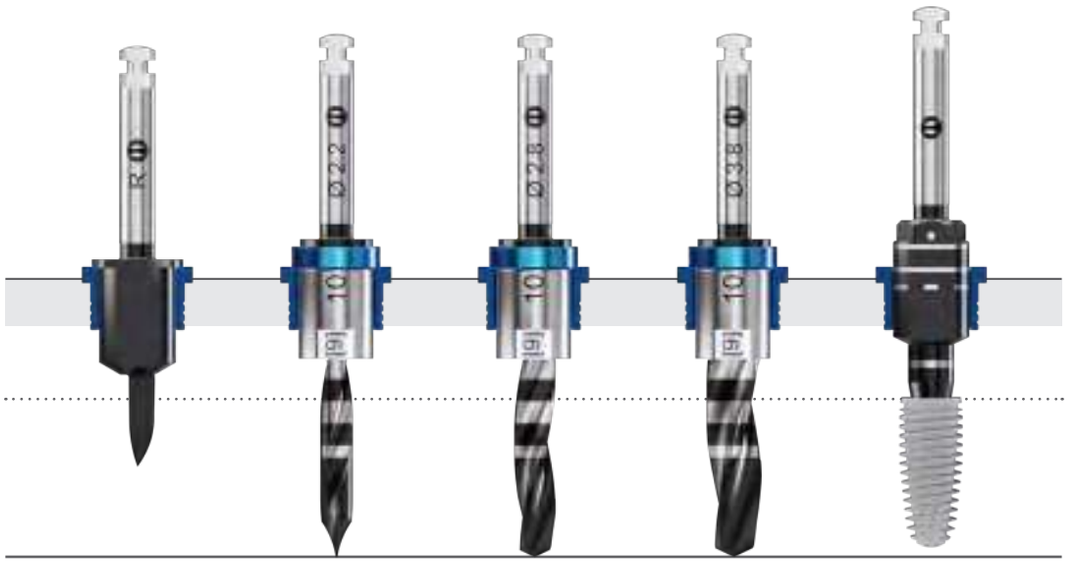
(!) The horizontal Implant Insertion Driver's mark is at approximately 3 mm and serves as a minimum Biological Width vertical reference for Implant platform positioning when completely covered by the lowest point of the soft tissue, the gingival margin. For further submersion, verify available prosthetic Component dimensions. Implant Insertion Driver dots, upper hexagon and flat areas are indexed to the Implant's hexagonal index and Sleeve • GS flat and slots. When used with Torque Wrench, the upper hexagonal portion of the Implant Insertion Driver should be entirely connected to the hexagon of the Driver Adapter.

Guided & conventional SURGERY

Precision • Sensitivity • Versatility

DIGITAL prosthetics

Fully Guided Surgery
novel stepwise approach



Drill frictionless through sleeve

Potential reduction of both temperature and debris release on surgical site

Initial and Conical Drills do not rotate against surgical guide or Sleeves

D files for open source software pibranemark.com

exocad DentalCAD® exoplan

3DIEMME BIOIMAGING TECHNOLOGIES

See P-I Guided & Conventional at pibranemark.com

MT-F

Implants

MT-F
Implants

OSPOL SURFACE

Platform Ø	3.3	3.5	3.9	4.6
h				
18		172319		
15	172297	172302	172384	
13	172296	172301	172383	172306
11.5	172295	172300	172382	172305
10	172294	172299	172381	172304
8.5	172293	172298	172380	172303
7		172318	172379	172321
6		172317	172378	172320

Implant Ø	3.3	3.75	4.1	4.8

Short Implants

(!) Same Interface in all Platform Ø including narrow and short implants.

Components

Soft Tissue Healing

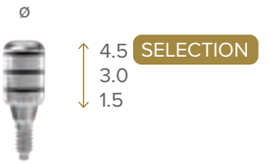
Cover Screw • Healing Abutment

Biological Width

Concave or Parallel emergence Healing • Soft Tissue contouring

Potential for more soft tissue volume

Minimized cortical bone removal for sub-crestal Implants



One Cover Screw

For all Implants and Platforms • MT Interface

(!) Healing Abutment Parallel h = 4.5 mm features height marks serving as a reference for Abutment selection.

			N	R	W
		h			
Divergent		5.5	172545	172546	172547
		4.5	171199	171202	171205
		3	171198	171201	171204
		1.5	171197	171200	171203
Parallel		SELECTION 4.5	171190	171193	171196
		3	171189	171192	171195
		1.5	171188	171191	171194

Healing Abutment

Cover		●		171104	●

Cover Screw

● Regular Cover Screw is used.
(!) Healing Abutment total height is +1.0mm higher than nominal margin height, except h = 5.5, + 1.5mm.

Conical Abutment

Single or multiple, screw-retained prosthesis

Biological Width

Concave emergence • Increased soft tissue volume

Minimizes cortical bone removal to install Abutment

Multiple and Single prosthesis

Universal Ø 4.8 Multi Unit platform

Straight Conical Abutment has double indexation

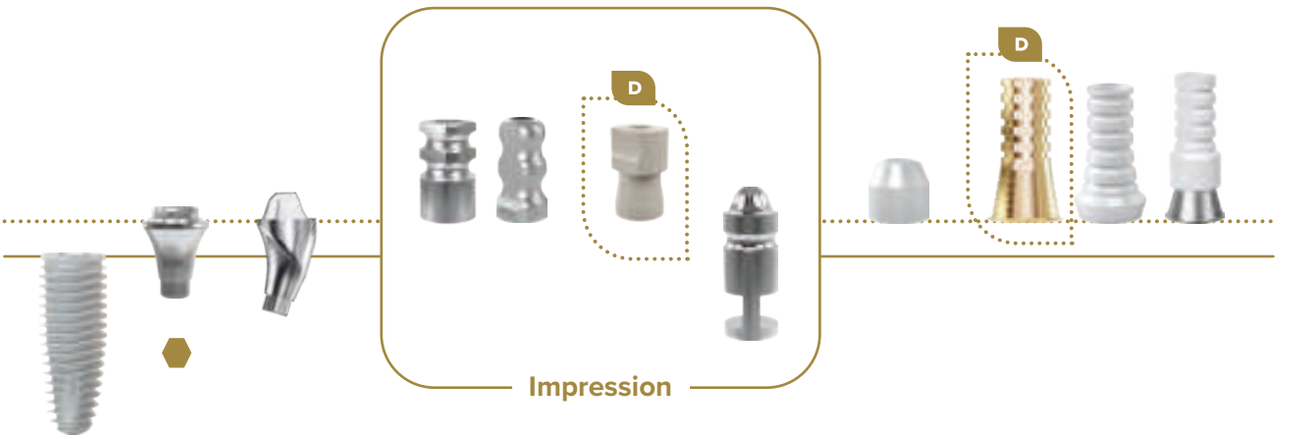
Select engaging components for single unit ⬣

D DIGITAL

Provisional and CAD/CAM prosthesis

Adjustable post heights: 10, 9, 8, 7, 5.5 and 4.5mm

Direct Geometry for single and multiple unit • bridge



			N	R	W
Cylinder	D 	**Non-Engaging**			
		CoCrMo		101141	
		Castable		101143	
		Titanium		101142	
		Engaging			
		CoCrMo		171249	
		Castable		171250	
		Titanium		171248	
Analog		Cast		171247	
Impression Coping		**Non-Engaging**			
		Open Tray		102385	
		Closed Tray		101113	
		Engaging			
		Open Tray		171245	
		Closed Tray		171246	
Healing Cap				101155	
Abutment Multiple		**30°**	**h**		
			3	171129	
			1.5	172500	
		**17°**	4.5	172561	
			3	171128	
			1.5	171127	
Abutment Multiple and Single		**Straight**	4.5	171126	
			3	171125	
			1.5	171124	
			0.8	171123	

Conical Abutment

D See DIGITAL Prosthetics.
● Regular Abutment is used.
(!) Conical Abutment prosthetic Platform has Ø 4.8 mm.
Cylinder • Conical Abutment ENG (Engaging) option is available for straight Conical Abutment only.

Abutment Cemented Cylinder

Single or multiple, cement-retained prosthesis

Biological Width

Concave emergence • Potential for more soft tissue volume

Minimizes cortical bone removal to install Abutment

Anterior and posterior

Indexed • 6 and 4mm post heights

Single and multiple Castable Cemented Cylinders

One-time one-abutment option

Prosthetic procedures over Abutment or Implant Platform

Zero margin Abutment

For limited interproximal spaces “0”

		N	R	W
Cylinder				
◯ **Non-Engaging**				
Castable 6mm (L)		161413	161418	161423
Castable 4mm		161463	101747	101977
⬢ **Engaging**				
Castable 6mm (L)		161414	161419	161424
Castable 4mm		161464	101746	101976
Analog				
6mm (L)		161410	161415	161420
4mm		161462	101745	101975
Impression Coping				
Closed Tray, 6mm (L)		161412	161417	161422
Closed Tray, 4mm		161461	101744	101974
Healing Cap				
6mm (L)		161411	161416	161421
4mm		161460	101743	101973

Abutment Cemented Cylinder

		h			
4mm		4.5	171157	171162	171167
		3	171156	171161	171166
		1.5	171155	171160	171165
		0.8	171154	171159	171164
6mm • Long (L)		4.5	171142	171147	171152
		3	171141	171146	171151
		1.5	171140	171145	171150
		0.8	171139	171144	171149
		“0”	171138	171143	171148

(!) “0” margin Abutment is not compatible with Healing Cap, Impression Coping or Cylinder.

Contour & Esthetic Abutments

Single or multiple, cement-retained prosthesis

Increased Biological Width

Concave emergence • Potential for more soft tissue volume

Minimizes cortical bone removal to install Abutment

Robust design

Adjustable • Straight and 17°

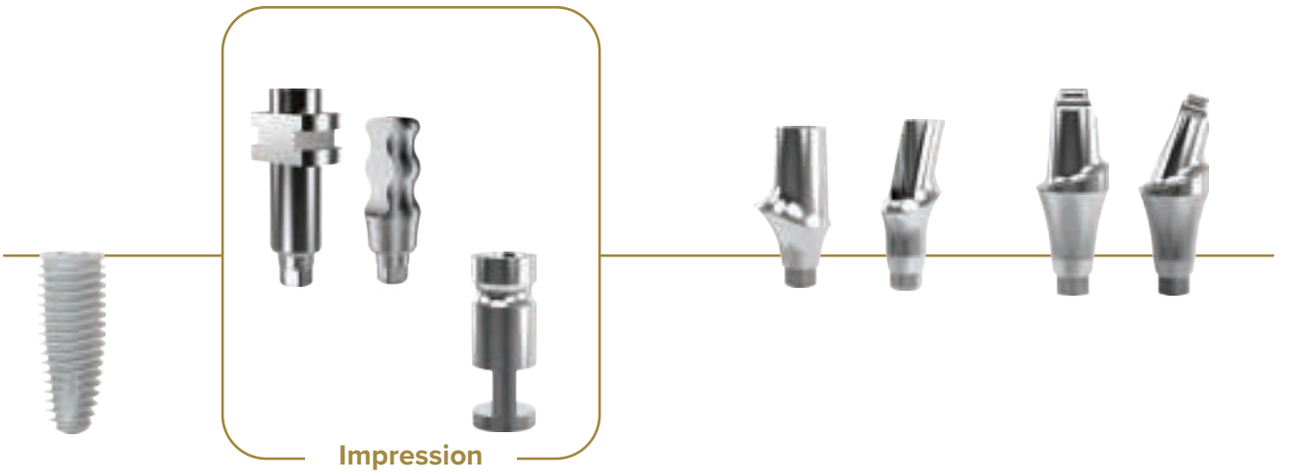
Delicate slim profile

Adjustable • Straight and 15°

Impression at Implant Platform

Short and Long Impression Coping

Open and Closed Tray



		N	R	W
	h			
Contour 17°	4.5	171116	171119	171122
	3	171115	171118	171121
	1.5	171114	171117	171120
Contour Straight	4.5	171107	171110	171113
	3	171106	171109	171112
	1.5	171105	171108	171111

Contour Abutment

	h			
Esthetic 15°	4.5	171178	171181	●
	3	171177	171180	●
	1.5	171176	171179	●
Esthetic Straight	4.5	171171	171175	●
	3	171170	171174	●
	1.5	171169	171173	●
	0.8	171168	171172	●

Esthetic Abutment

Implant Analog		●	171212	●
Impression Coping Implant	Open Tray	●	171206	●
	Closed Tray	●	171209	●
	Open Tray, Long	●	172418	●
	Closed Tray, Long	●	172417	●

Implant Impression

● Regular Abutment, Impression Coping or Analog is used.

Cylinders over Implant

Single or multiple, cement or screw-retained prosthesis

ENHANCED
Ceramic Surface

D DIGITAL prosthetics

Provisional, conventional and CAD/CAM

Platform diameter and margin height options

Adjustable post heights: 6, 5 and 4mm

Increased Biological Width

Concave emergence • Potential for more soft tissue volume

Minimizes cortical bone removal to install Cylinder

Definitive • Overcasting

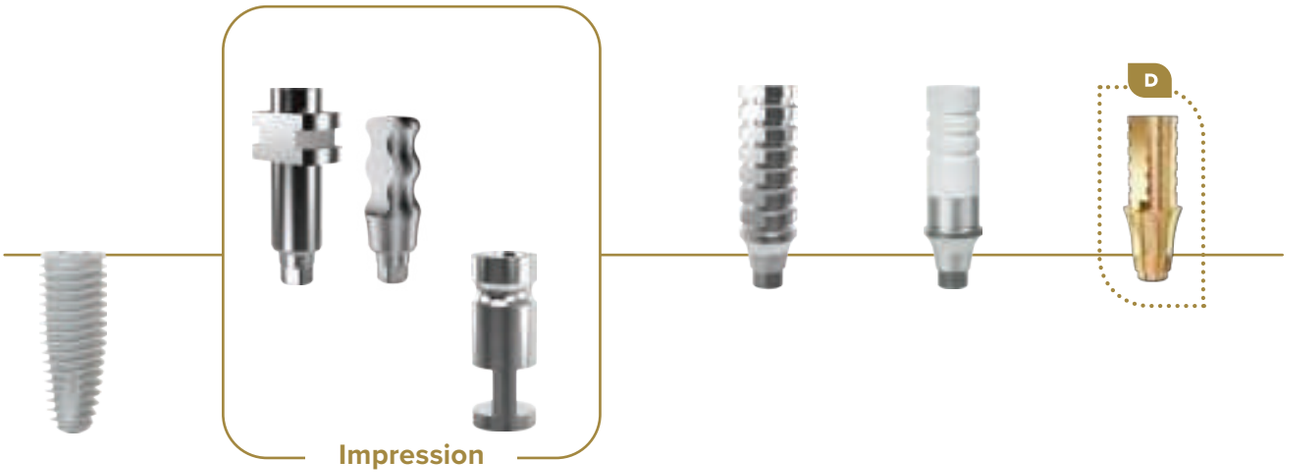
Main body CoCrMo and waxing sleeve POM with retentions

Provisional and Custom Healing • Titanium

Diameter options • Flat areas and trapezoidal retentions

Impression at Implant Platform

Short and Long, Open and Closed Tray, Impression Coping



Cylinder over Implant

Cylinder
DIGITAL and Conventional

	h	N	R	W
○	**Non-Engaging**			
	4.5	172534	172536	172541
	3	172533	172539	172544
	1.5	172532	172538	172543
	0.8	172531	172537	172542
⬢	**Engaging**			
	4.5	172401	172405	172409
	3	172404	172408	172412
	1.5	172403	172407	172411
	0.8	172402	172406	172410

Cylinder
Conventional

○	**Non-Engaging**			
	Titanium	172530	172535	172540
⬢	**Engaging**			
	CoCrMo	171183	171185	171187
	Titanium	171182	171184	171186

Implant Impression

Implant Analog

●	171212	●

Implant Impression Coping

Open Tray	●	171206	●
Closed Tray	●	171209	●
Open Tray, Long	●	172418	●
Closed Tray Long	●	172417	●

D See DIGITAL Prosthetics.
● Regular Components are used.
(!) Cylinder over Implant • Ti with height options can also be used to support prosthesis manufactured by CAD/CAM.

DIGITAL prosthetics

Manufacturing
Prosthetics • 3D Model

Components
and Direct Geometries

Design
Libraries

Scan
Intraoral • Desk

Scan Body
Implant • Conical Abutment

files for open source software pibranemark.com

3shape | exocad

(!) Libraries are available for upload at pibranemark.com and/or from CAD/CAM software system, except Dentsply Sirona. Always check latest library version and availability.

Links

ENHANCED
Ceramic Surface

		N		R	W
Link CAD | CAM		h			
		4.5	●	171137	●
		3	●	171136	●
		1.5	●	171135	●
		0.8	●	171134	●
Link C			Small	Large	
		4.5	172422	172426	●
		3	172421	172425	●
		1.5	172420	172424	●
		0.8	172419	172423	●

Link

Implant • MT for cast or 3D models		●	172416	●	

Analog + Digital

Implant • MT		PEEK	●	161469	●
		Titanium	●	161563	●

Scan Body

● MT interface is the same for all platforms. Scan Body and Analog + Digital are used.
(!) Links C 3.5 • Small and 4.1 • Large have similar post geometries to Dentsply Sirona, CEREC®.

D Cylinder over Implant

ENHANCED
Ceramic Surface

Cylinder over Implant

Cylinder
DIGITAL and
Conventional

	h	N	R	W
Non-Engaging				
	4.5	172534	172536	172541
	3	172533	172539	172544
	1.5	172532	172538	172543
	0.8	172531	172537	172542
Engaging				
	4.5	172401	172405	172409
	3	172404	172408	172412
	1.5	172403	172407	172411
	0.8	172402	172406	172410

Cylinder over Implant

Implant • MT
for cast or 3D models

●	172416	●	

Analog + Digital

Implant • MT

PEEK	●	161469	●
Titanium	●	161563	●

Scan Body

● MT interface is the same in all platforms. Scan Body and Analog + Digital are used.

D Cylinder • Conical Abutment

			N	R	W
Titanium DIGITAL and Conventional		○ **Non-Engaging**		101142	
		⬢ **Engaging**		171248	

Cylinder

Conical Abutment for cast or 3D models				172453	

Analog + Digital

Conical Abutment		**Non-Engaging**			
		○ PEEK		161471	
		○ Titanium		161565	
		Engaging			
		⬢ PEEK		161556	
		⬢ Titanium		161566	

Scan Body

Milling Blank		A - Arum	●	172443	●

Milling Blank

Analog Fixation		Conical Abutment Tool		70170003	
		Implant MT Tool		70170002	
		Screw		70160502	
Digital Analog with fixation tool		Conical abutment, NENG		70150007	
		Implant MT		70150005	
Scan Body Titanium		Conical abutment, NENG		80620277	
		Implant MT Interface	●	80620276	●

Third Party Acessories ■

● MT interface is the same in all platforms. Scan Body, Analog + Digital and Milling Blank are used.
■ Manufactured by CoreMedTech. Check latest CoreMedTech libraries version and availability.
(!) Cylinder • Conical Abutment ENG (Engaging) option is available for straight Conical Abutment only.

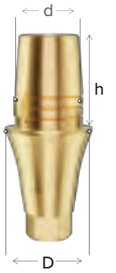
D Dimensions and References

Link

CAD | CAM

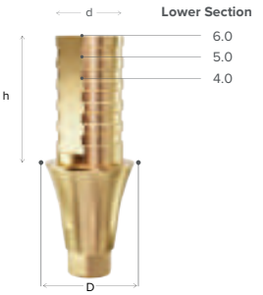
d	2.8
h	3.9
D	3.8

C



	Small	Large
d	3.0	3.4
h	4.7	4.7
D	4.1	4.4

Cylinder over Implant

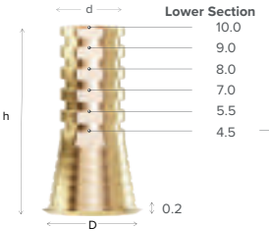


	Narrow	Regular	Wide
d	3.0	3.0	3.0
h	6.0	6.0	6.0
D	4.0	4.4	4.8

Engaging

Non-Engaging

Cylinder • Ti • Conical Abutment



d	3.5
h	10.0
D	4.8

Direct Geometry

Cylinder Conical Abutment

Engaging

Non-Engaging

Bridge over Implant

(!) Direct Geometries are used to manufacture direct screw-retained CAD/CAM prosthesis without P-I titanium base (Links or Cylinders), using spare P-I Screws. Always check latest library version and availability.

Kit

Conventional

width	254 mm
height	40
depth	130

Advanced
Stainless Steel

181036

(!) Surgical and prosthetic
(!) Reference number is for ordering purposes only. Instruments and Tray delivered separately.

Kit

Tray options

w	202
h	67
d	158

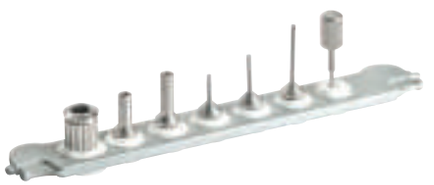
Advanced
Polymer

181022

w	120
h	40
d	80

Advanced
Compact

181023



w	120
h	40
d	80

Prosthetic
Compact

181029

(!) Prosthetic Kit does not include Torque Wrench and Adapters.
(!) Conventional Kit Composition at pibranemark.com
(!) Reference number for ordering purposes only. Instruments and Tray delivered separately.

Instruments • Conventional

Drills

		Ø	
	Initial	2.2	141138
	Conical	2.8	141146
		3.4	141148
		3.8	141314
		4.6	141152
		4.8	141315
	Dense	3.3	141213
		3.75	141316
		4.0	141215
		4.8 | 5.0	141317

Implant Insertion Driver

		Medium	Long
	All Systems	131139	131140

Tools

	Guide Pin	2.2 | 2.8	131114
		2.8 | 3.8	131115
		2.2 | 2.8 C	141535
		2.8 | 3.8 C	141536
	Drill Extension		131028
	Spade	1.5	141319 ▲
	Round Burr	1.8	141001 ▲

▲ Optional Instruments not included in the Advanced Kit contents.

Guided & conventional SURGERY

Wash Tray • GS
Surgical + Prosthetic

Guided & Conventional

181040

All Instruments

Guided +

181041

Guided Surgery Instruments only

includes Prosthetic Instruments

Tray • GS

131162

Tray only

width	190
height	61
depth	138

Stop Organizer • GS

141399

Organizer [9] only

Guided & Conventional Kit Composition
at pibranemark.com

Instruments • Guided & Conventional

Drills

27

		Narrow	Regular	
Crestal Drill		141330	141335	
	Ø	N • Long	R • Short	R • Long
Initial	2.2	141378	141336	141340
	2.8	141381	141337	141341
Conical	3.4		141338	141342
	3.8		141339	141343

35 S
40 L

Stop • GS
Offset [9]

Set • 11 Stops - GS 181043
without organizer

h			
6		141365	
7		141366	
8.5		141367	
10	141360	141368	
11.5	141361		141369
13	141362		141370
15	141363		141371

Sleeve

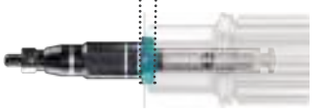
141375

141376

Implant Insertion Driver

31

131153 131152



Insertion Driver must be completely connected into the Implant internal hexagonal indexation. When used manually or with Torque Wrench, the upper hexagonal portion of the Insertion Driver must be entirely connected to the hexagon of the Driver Adapter.

Guide Fixation

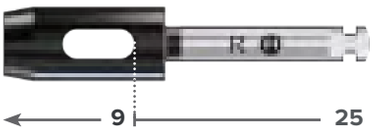
Sleeve - Pin 141382

Pin Drill Ø1.7 141377

Fixation Pin 131167

GUIDE STABILITY
Conical seating of Pin

Surgical Accessories

		Narrow	Regular
Punch			
	Soft Tissue Punch	141331	141332
Dense Drill			
	Dense Drill	141344	141345

Torque Wrench Kit

C14569 ■

HIGH TORQUE VERSION
originally developed for OSPOL • P-I

Prosthetic Instruments

Hexagonal Ø 1.2

Short	131010
Medium	131011
Long	131012

Conical Abutment Ø 2.0

Short	131016
Medium	131017

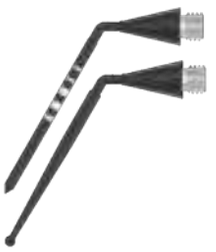
Handling Tool, Angled 102964

Retriever MT

Short	141564
Medium	131131

Accessories

In the event Stop cannot be easily removed by hand, use handpiece in reverse or the Surgical Adapter, with or without Torque Wrench, to stabilize the Drill and apply manual counter torque on the Stop using the Stop Removal Tool.



Depth Probe • GS
[9] Offset tip + Round tip 141439 ●

Stop Removal Tool 131172 ●

■ Manufactured by Elos MedTech Pinol A/S. Torque Wrench Kit includes Surgical & Prosthetic Adapters.
● Stop Removal Tool should be used when Surgical Adapter is not sufficient for the removal of Stop from Drill. Depth Probe is not part of Kit • GS and should be ordered separately.

Stop • Conventional

h	R • Short	R • Long
6	141592	
7	141593	
8.5	141594	
10	141590	
11.5	141591	141584
13	141600	141586
15	141601	141586
18		141602

Trays

Polymer
131134

Stainless Steel
131117

Prosthetic
131135

Compact
131138

Lab & Replacement
Conical Abutment

Screw Cylinder 101984

Screw Impression Coping
Open Tray 101737
Closed Tray 171260

Implant

Coated Screw MT 171239

Screw Impression Coping Open Tray 171207

Resonance Frequency Analysis

Penguin RFA ■ (1)

ISQ

Kit
55002-S ▲

MulTipeg

MT-F • Type 38	55046
Conical Abutment • Type 72	55080

Locator® Overdenture

Abutment ■ (2)

h	N	R	W
4	●	2203	●
3	●	2202	●
2	●	2201	●
1	●	2200	●

■ (1) Manufactured by Integration Diagnostics Sweden AB.
▲ Penguin RFA Kit includes instrument, charger, MulTipeg driver and user's manual.
■ (2) Manufactured by Zest Dental. Components and instruments not included in the P-I Catalog.
● MT interface is the same in all platforms. Regular Abutments are used.
P-I pegs are available from Osstell. MT-F Implant SmartPeg, type 21.

OSSTELL

MT-F
SURGICAL SEQUENCE

rpm	**600** - 1,200 Lowest possible rpm
In-Out	⚠ Coordinated in-and-out movement of Drills for better cooling
ITV	**≤ 70 Ncm** Insertion Torque Value
Full Length	Prepare at planned full length of Implant position combining the Drills GS and Stops GS in accordance to planning
Irrigation	Constant irrigation to the insertion margin of Conical Drills

⚠ Drills are less than 1 mm longer than Drill marks

SURGICAL SEQUENCE

3.3

2.2	2.8	3.4
✓	S ↓ N	D ↓

3.75

2.2	2.8	3.4
✓	S	N ↓ D

4.1

2.2	2.8	3.4	3.8
✓	S	N	D
	Optional for Dense →		

4.8

2.2	2.8	3.8	4.6
✓	✓	S	N ↓ D

Bone Density

S Soft **N** Normal **D** Dense

↓ 6 mm Drill tip

(!) The subsequent Conical Drill, in terms of diameter, should be considered with a drilling depth of 6 mm, in order to not exceed 70 Ncm of insertion torque value. The use of Dense Drills (15 – 50 rpm) can also be considered to lower the insertion torque value. Soft Tissue Punch (15 – 50 rpm).

See Guided Surgery Surgical Sequence at pibranemark.com. Guided Surgery Drills consider a [9mm] offset and, when used with Drill stops, allow for limiting the total length of osteotomy with the objective of providing predetermined Drill length and orientation through the surgical guide. Height repositioning for Sleeve and Stop selection required for [10.5] Offset.

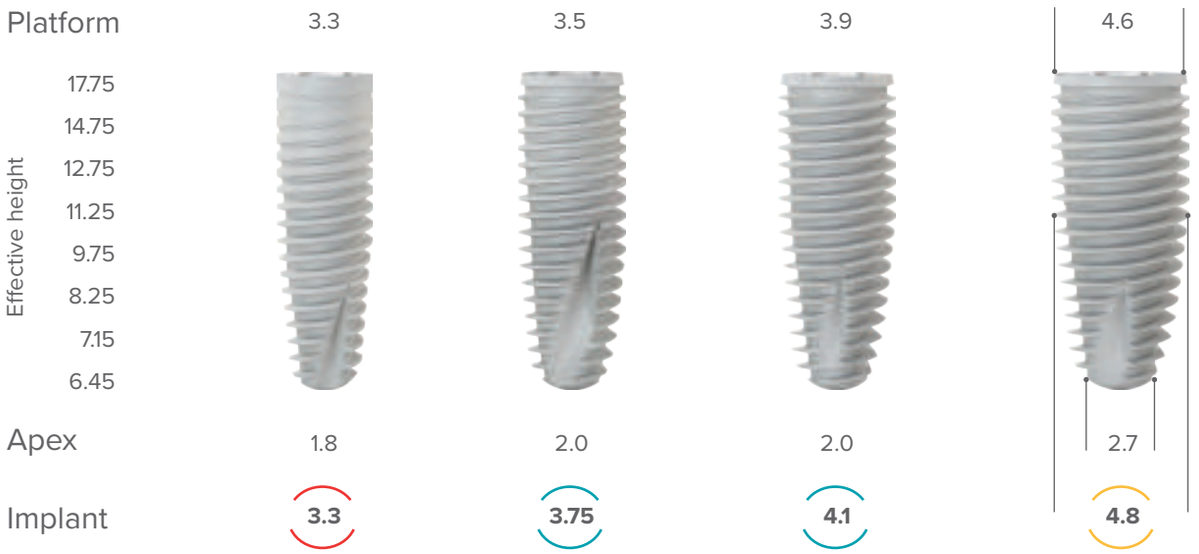
Consult Instructions for Use

One interface

for all Implant dimensions

M 1.6
Screw

Dimensions



(!) Images are for illustrative purposes only. Measurements in millimeters.

One Driver

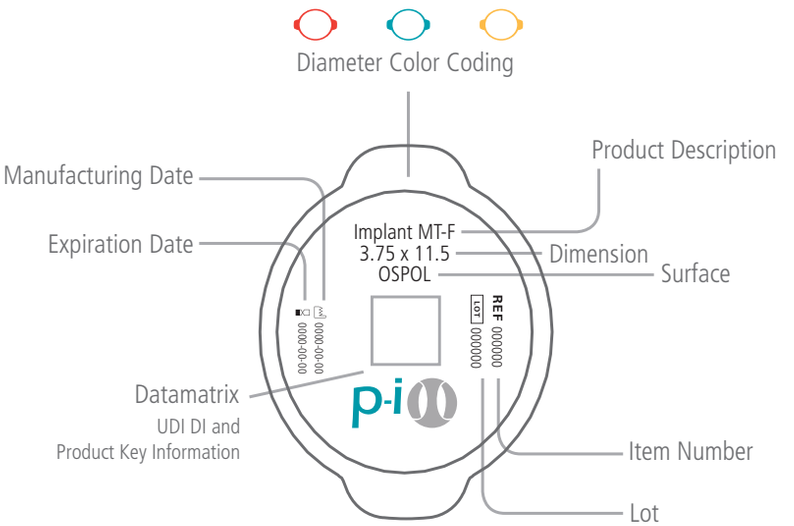
Manual • Torque Wrench

1.2

Torques	Ncm
MT-F Implants	≤ 70
Abutments Cylinders over Implant Links, Milling Blank	25
Cylinders • Conical Abutment	15
Cover Screw Healing Abutments Impression Copings Scan Bodies	Manual

(!) Recommended Torques. Abutment and Components torques should not exceed the torque obtained at Implant installation.
(!) One Prosthetic Driver, except Locator® and straight Conical Abutment.


MEDICAL
DESIGN
EXCELLENCE
AWARDS


Diameter Color Coding
Product Description
Manufacturing Date
Expiration Date
Implant MT-F
3.75 x 11.5
OSPOL
Dimension
Surface
Datamatrix
UDI DI and
Product Key Information
Item Number
Lot

LifeTime
GUARANTEE

(!) Terms & Conditions at pibranemark.com

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