

PREXOLID®

2026

IMPLANT SYSTEM

Immediacy, Solidity, Success

eclectic

PREXOLID®

Product Catalog

TYPE X

TYPE S



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INNOVATING IMPLANT SOLUTIONS

Welcome to the Future of Implantology with ECLECTIC.

PRODUCTS THAT MEET & EXCEED YOUR EXPECTATIONS

With a commitment to excellence and a focus on cutting-edge technology, we deliver solutions that set new standards for quality and performance.

www.prexolid.com
contact@prexolid.com

33, Buncheon-gil 45beon-gil, Bongdam-eup, Hyohaeng-gu,
Hwaseong-si, Gyeonggi-do, 18329,
Republic of KOREA



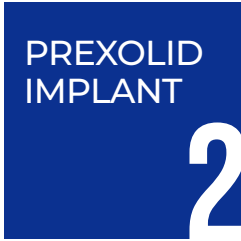
CERTIFICATIONS & PATENTS

Ensuring the highest standards and groundbreaking advancements in every product.



Where certified quality meets cutting-edge technology





Surface Roughness

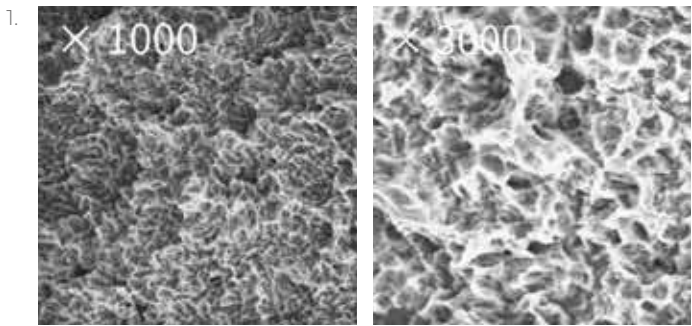
The PREXOLID® Oстера™ Surface Technology (sandblasted with large grits and acid-etched). with a surface roughness (Sa) of approximately 1.7-1.8µm, falls within the ideal range for bone-to-implant contact, ensuring superior stability and integration.

This optimal roughness not only enhances implant stability but also minimizes the risk of peri-implantitis by reducing bacterial adhesion. Furthermore, it facilitates effective cleaning of the contaminated surface, promoting long-term implant health and success.

■ Surface Roughness

(unit: µm)

	Ra	Sa
PREXOLID	1.5 - 1.6	1.7 - 1.8
Company "O"	2.5 - 3.0	2.5



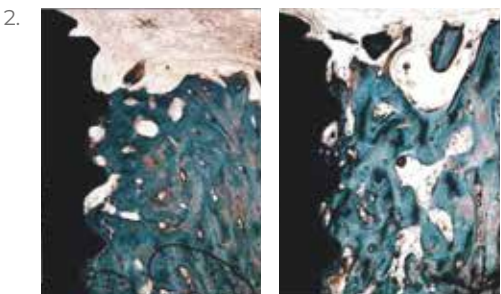
Left (x1,000), Right (x3,000)

1. Dae-Sung Kim, Won-Tak Cho, Soon Chul Heo, Jung-Bo Huh* (2024)
Comparison of osseointegration in commercial SLA-treated dental implants with different surface roughness: a pilot study in beagle dogs, 353
<https://doi.org/10.4047/jap.2024.16.6.348>

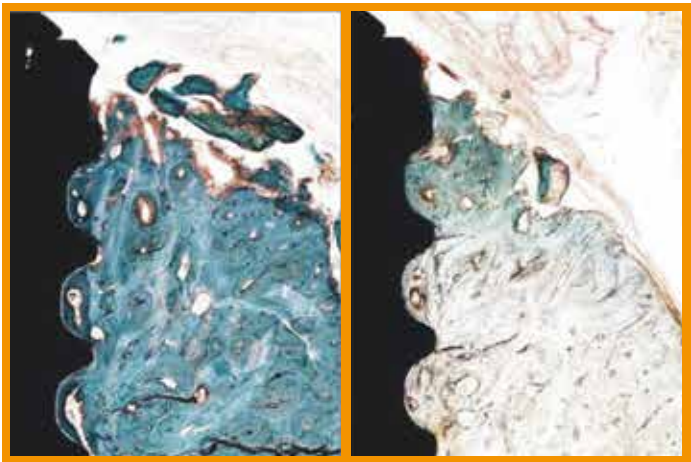
■ Histological Analysis (BIC & ITBD)

(unit: %)

	BIC	ITBD
PREXOLID	66.48±10.06	72.26±8.99
Company "O"	62.83±11.82	66.54±12.03



Company "O"



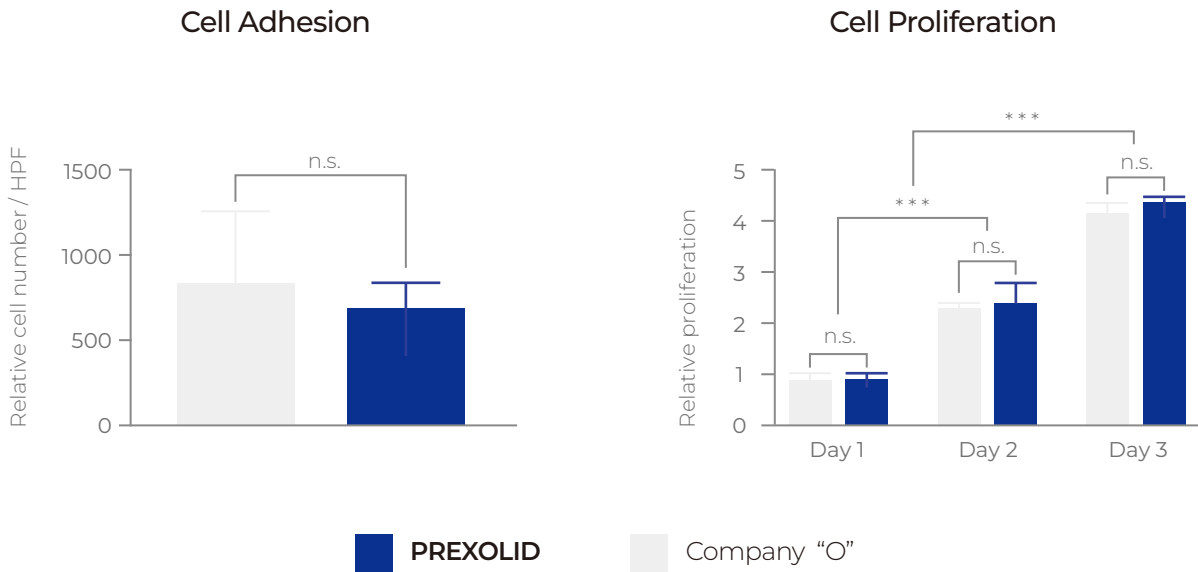
PREXOLID IMPLANT

2. Gang-Ho Bae, Won-Tak Cho, Jong-Ho Lee, Jung-Bo Huh* (2024)
Efficacy of plasma treatment for surface cleansing and osseointegration of sandblasted and acid-etched titanium implants, J Adv Prosthodont. 2024;16(3):189-199 (p. 194).
<https://doi.org/10.4047/jap.2024.16.3.189>

Osseointegration

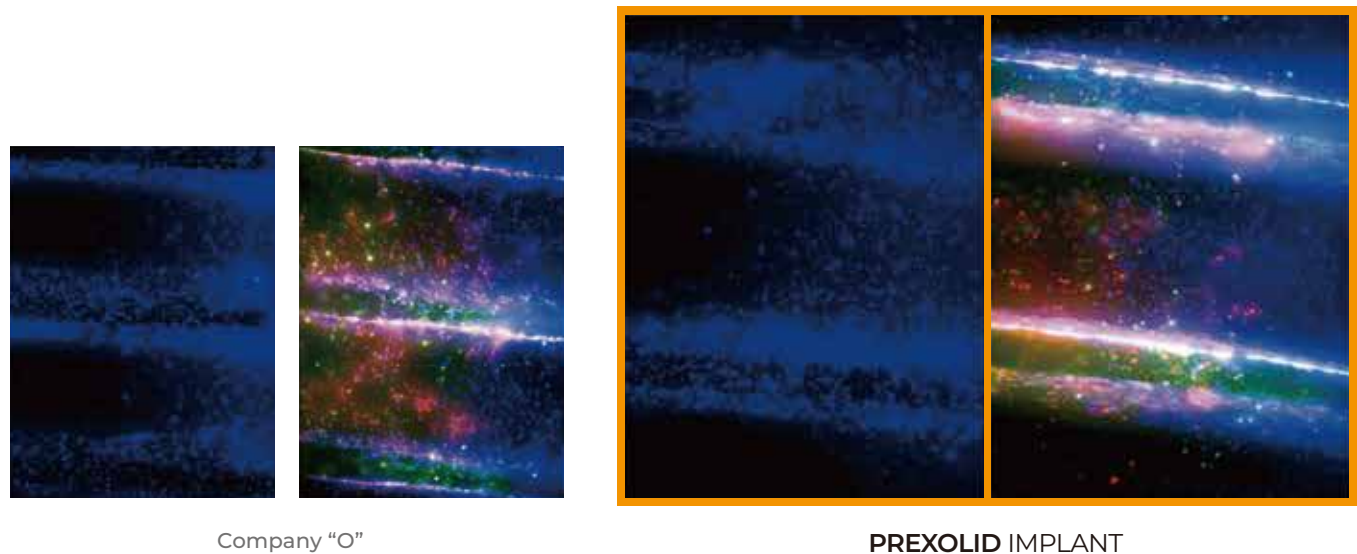
The PREXOLID® Ostera™ Surface Technology (sandblasted with large grits and acid-etched) induces optimal osseointegration, ensuring long-term implant success.

This advanced surface promotes faster and more robust bone growth, enhancing stability and longevity. Additionally, it simplifies Guided Bone Regeneration (GBR) procedures, making the process more efficient and predictable.



■ Fluorescence Microscopy Analysis

With reduced healing time, increased integration success, and ease of maintenance, the PREXOLID® Ostera™ Surface Technology is an ideal choice for dental professionals.



Dae-Sung Kim, Won-Tak Cho, Soon Chul Heo, Jung-Bo Huh* (2024)
Comparison of osseointegration in commercial SLA-treated dental implants with different surface roughness: a pilot study in beagle dogs. J Adv Prosthodont. 2024;16(6):348-358 (p. 353).
<https://doi.org/10.4047/jap.2024.16.6.348>

PREXOLID® TYPES

The Intelligent Solution for Achieving Optimal Primary Stability & Immediate Protocols

Raw Material: Pure Titanium Grade 4 (cpTi)



11° Internal Hex
Connection

M 2.1 Hex
R 2.5 Hex

Exceptional Durability & Fracture Resistance

11% thicker fixture wall
than competitors,
providing maximum
fracture resistance.



PREXOLID
0.25mm

Ostera™ Surface Technology

Sandblasted with large grits and
acid-etched surface
with an optimal Ra of 1.5µm,
ensuring superior integration.

Slim & Tapered Core

Enables precise placement
even in narrow osteotomies.

Cutting-Edge Design

Enhances forward cutting control.

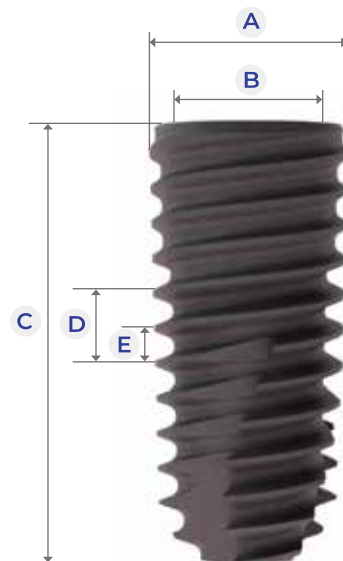
Design & Specification

The PREXOLID® TYPE S Implant System is equipped with a reliable hexagonal (hex) connection, ensuring stability and precision in dental implantology.

This connection offers straightforward, self-guided insertion, providing clinicians with clear tactile feedback during the placement process.

PREXOLID® TYPE S

Material	Pure titanium Grade 4 (cpTi)
Surface	Ostera™ sandblasted and acid-etched surface
Fixture	F 3.0 – F 7.0
Lengths	6.0 mm – 13.0 mm
Connection	Mini: 2.1 Hex (F 3.0 – F 3.5) Regular: 2.5 Hex (F 4.0 – F 7.0)



(unit: mm)	F 3.0	F 3.5	F 4.0	F 4.5	F 5.0	F 5.5	F 6.0	F 7.0
A Outer diameter	3.2	3.75	4.25	4.6	5.05	5.6	6.2	7.1
B Connection diameter	2.6	2.8	3.4	3.4	3.4	3.4	3.4	3.4
C Implant lengths	8.5 / 10.0 / 11.5 / 13.0		7.0 / 8.5 / 10.0 / 11.5 / 13.0		6.0 / 7.0 / 8.5 / 10.0 / 11.5 / 13.0			
D Thread pitch	1.6	1.6	1.6	1.6	1.8	1.8	2.0	2.0
E Thread spacing	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.0
Application	Anterior	Anterior	Premolar / Molar	Molar	Molar	Molar	Molar	Molar

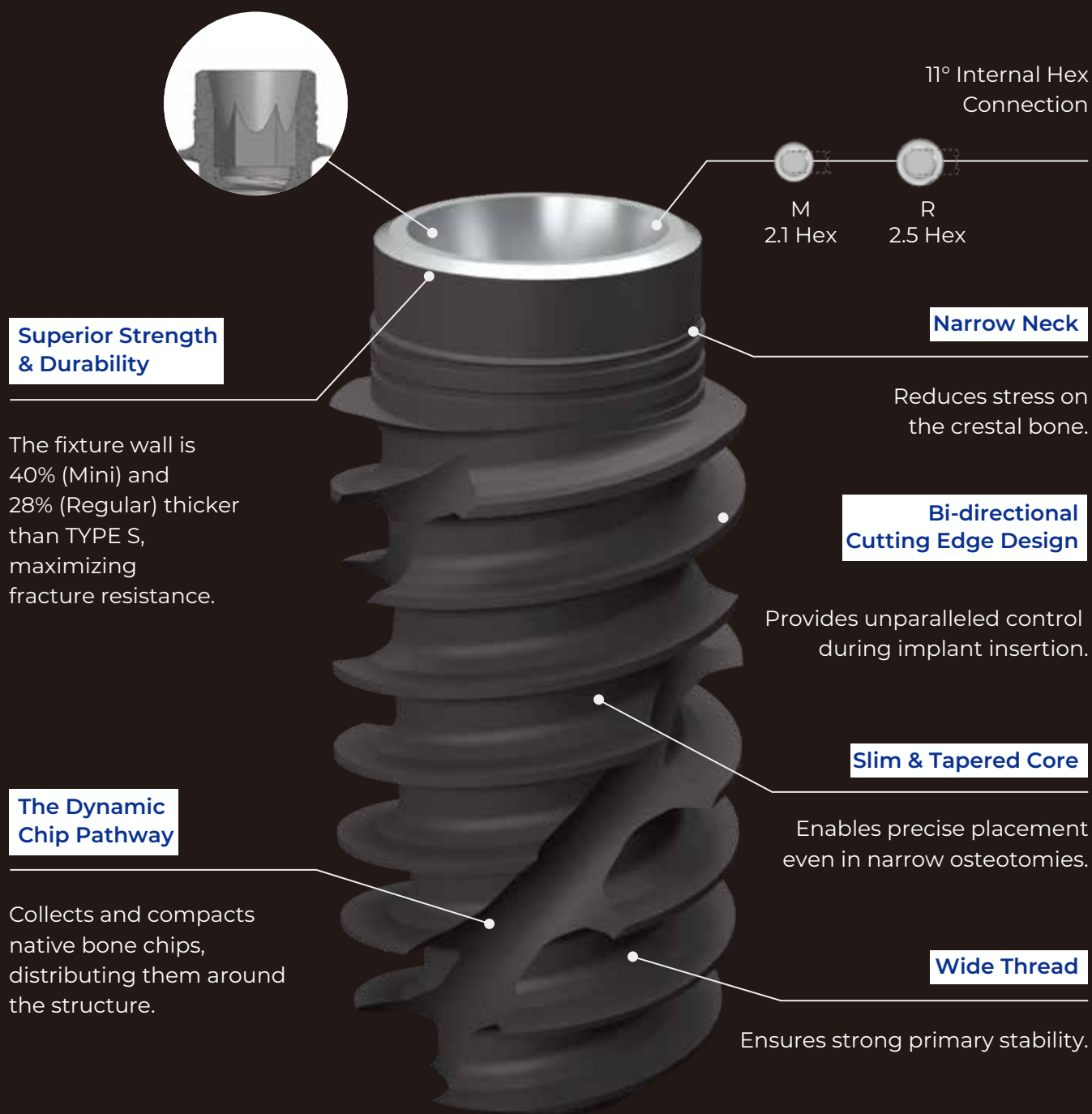
Incl. Cover Screw

Platform (Ø)	M (2.1 Hex)				R (2.5 Hex)			
								
Fixture Actual Diameter	F 3.0 3.2 mm	F 3.5 3.75 mm	F 4.0 4.25 mm	F 4.5 4.6 mm	F 5.0 5.05 mm	F 5.5 5.6 mm	F 6.0 6.25 mm	F 7.0 7.1 mm
L (mm)								
			FSR 4006S	FSR 4506S				
7.0			FSR 4007	FSR 4507	FSR 5007	FSR 5507	FSR 6007	FSR 7007
8.5	FSM 3008	FSM 3508	FSR 4008	FSR 4508	FSR 5008	FSR 5508	FSR 6008	FSR 7008
10.0	FSM 3010	FSM 3510	FSR 4010	FSR 4510	FSR 5010	FSR 5510	FSR 6010	FSR 7010
11.5	FSM 3011	FSM 3511	FSR 4011	FSR 4511	FSR 5011	FSR 5511	FSR 6011	FSR 7011
13.0	FSM 3013	FSM 3513	FSR 4013	FSR 4513	FSR 5013	FSR 5513	FSR 6013	FSR 7013

PREXOLID® TYPE X

Advanced Design for Superior Primary Stability
& Immediate Protocols, Setting a New Standard in Implant Technology

Raw Material: Pure Titanium Grade 4 (cpTi)



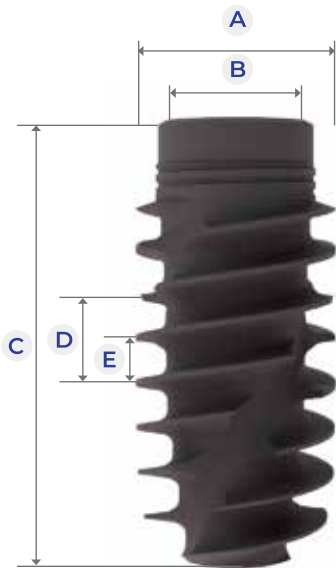
Design & Specification

The PREXOLID® TYPE X Implant System is equipped with a reliable hexagonal (hex) connection, ensuring stability and precision in dental implantology.

This connection offers straightforward, self-guided insertion, providing clinicians with clear tactile feedback during the placement process.

PREXOLID® TYPE X

Material	Pure titanium Grade 4 (cpTi)
Surface	Ostera™ sandblasted and acid-etched surface
Fixture	F 3.5 – F 5.0
Lengths	7.0 mm – 13.0 mm
Connection	Mini: 2.1 Hex (F 3.5 – F 4.5) Regular: 2.5 Hex (F 5.0)



	F 3.5	F 4.0	F 4.5	F 5.0
A Outer diameter	3.75	4.25	4.6	5.05
B Connection diameter	2.8	2.8	2.8	3.35
C Implant lengths	8.5 / 10.0 / 11.5 / 13.0	8.5 / 10.0 / 11.5 / 13.0		7.0 / 8.5 / 10.0 / 11.5 / 13.0
D Thread pitch	2.0	2.0	2.0	2.0
E Thread spacing	1.0	1.0	1.0	1.0
Application	Anterior	Premolar / Molar	Molar	Molar

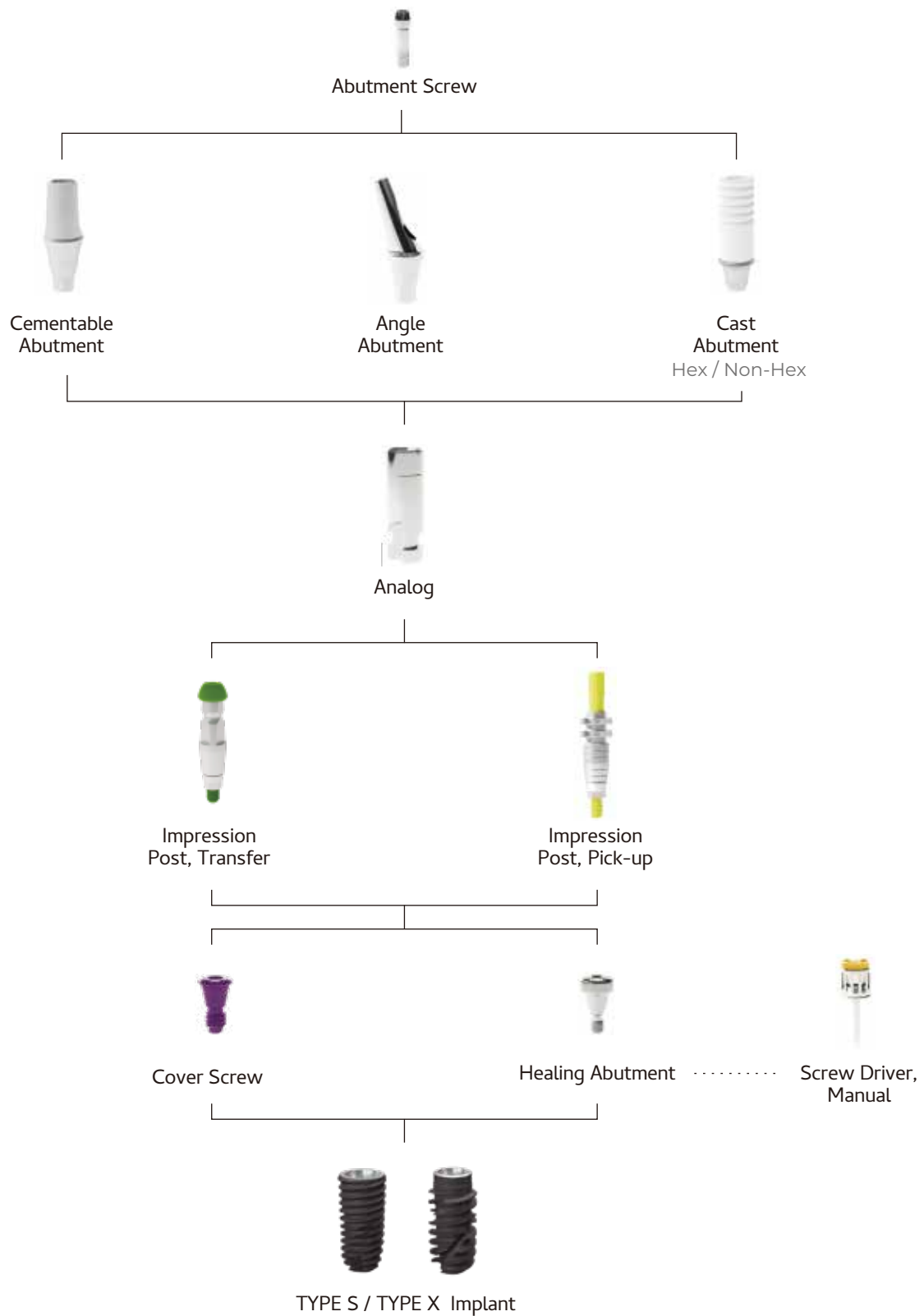


PREXOLID®
TYPE X

Incl. Cover Screw

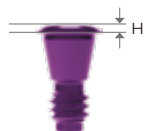
Platform (Ø)	M (2.1 Hex)			R (2.5 Hex)
				
Fixture Actual Diameter	F 3.5 3.75 mm	F 4.0 4.25 mm	F 4.5 4.6 mm	F 5.0 5.05 mm
L (mm)	7.0	FXR 5007		
8.5	FXM 3508	FXM 4008	FXM 4508	FXR 5008
10.0	FXM 3510	FXM 4010	FXM 4510	FXR 5010
11.5	FXM 3511	FXM 4011	FXM 4511	FXR 5011
13.0	FXM 3513	FXM 4013	FXM 4513	FXR 5013

PROSTHETIC FLOW CHART



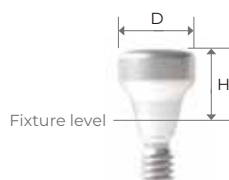
PROSTHETIC COMPONENTS

Cover Screw



Connection	Nominal Diameter (Actual Diameter)	Length (mm)	Model No.
M (2.1 Hex)	3.0 (Ø 3.2)	0.4	CS 32
	3.5 (Ø 3.75)	0.4	CS 37
R (2.5 Hex)	4.0 (Ø 4.3)	0.4	CS 43

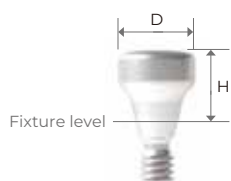
Healing
Abutment



Connection	Nominal Diameter (Actual Diameter)	GH (mm)	Model No.
M (2.1 Hex)	4.0 (Ø 4.3)	3.0	HAM 403
		4.0	HAM 404
		5.0	HAM 405
		6.0	HAM 406
		7.0	HAM 407
	4.5 (Ø 4.8)	3.0	HAM 453
		4.0	HAM 454
		5.0	HAM 455
		6.0	HAM 456
		7.0	HAM 457
R (2.5 Hex)	4.0 (Ø 4.3)	3.0	HAR 403
		4.0	HAR 404
		5.0	HAR 405
		6.0	HAR 406
		7.0	HAR 407
	4.5 (Ø 4.8)	3.0	HAR 453
		4.0	HAR 454
		5.0	HAR 455
		6.0	HAR 456
		7.0	HAR 457
	5.0 (Ø 5.3)	3.0	HAR 503
		4.0	HAR 504
		5.0	HAR 505
		6.0	HAR 506
		7.0	HAR 507

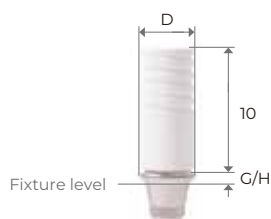
PROSTHETIC COMPONENTS

Healing Abutment



Connection	Nominal Diameter (Actual Diameter)	GH (mm)	Model No.
R (2.5 Hex)	5.5 ($\varnothing$ 5.8)	3.0	HAR 553
		4.0	HAR 554
		5.0	HAR 555
		6.0	HAR 556
		7.0	HAR 557
	6.0 ($\varnothing$ 6.3)	3.0	HAR 603
		4.0	HAR 604
		5.0	HAR 605
		6.0	HAR 606
		7.0	HAR 607
	6.5 ($\varnothing$ 6.8)	3.0	HAR 653
		4.0	HAR 654
		5.0	HAR 655
		6.0	HAR 656
		7.0	HAR 657
	7.0 ($\varnothing$ 7.3)	3.0	HAR 703
		4.0	HAR 704
		5.0	HAR 705
		6.0	HAR 706
		7.0	HAR 707

CAST (CCM) Abutment



Incl. Abutment Screw

Connection	Diameter ($\varnothing$)	GH (mm)	Model No.
M (2.1 Hex)	4.0	1.0	CCM 401
	4.0	3.0	CCM 403
R (2.5 Hex)	4.5	1.0	CCR 451
	4.5	3.0	CCR 453

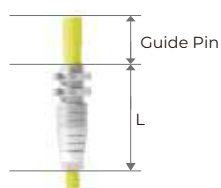
PROSTHETIC COMPONENTS

Impression
Post, Transfer



Connection	Diameter (Ø)	Length (mm)	Model No.
M (2.1 Hex)	4.0	11.0	ITM 40S
		14.0	ITM 40L
	4.5	11.0	ITM 45S
		14.0	ITM 45L
R (2.5 Hex)	4.0	11.0	ITR 40S
		14.0	ITR 40L
	4.5	11.0	ITR 45S
		14.0	ITR 45L

Impression
Post, Pick-up



Connection	Diameter (Ø)	Length (mm)	Model No.
M (2.1 Hex)	4.0	11.0	IPM 40S
		15.0	IPM 40L
	4.5	11.0	IPM 45S
		15.0	IPM 45L
R (2.5 Hex)	4.0	11.0	IPR 40S
		15.0	IPR 40L
	4.5	11.0	IPR 45S
		15.0	IPR 45L

Analog

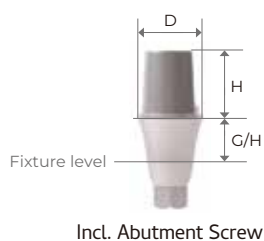


Connection	Diameter (Ø)	Length (mm)	Model No.
M (2.1 Hex)	3.0	9.0	LAM 30
	3.5	9.0	LAM 35
R (2.5 Hex)	4.0	9.0	LAR 40

PROSTHETIC COMPONENTS

Connection	Diameter (Ø)	Height (mm)	GH (mm)	Model No.
M (2.1 Hex)	4.0	4.0	1.0	CAM 40401
			2.0	CAM 40402
			3.0	CAM 40403
			4.0	CAM 40404
			5.0	CAM 40405
			6.0	CAM 40406
		5.5	1.0	CAM 40551
			2.0	CAM 40552
			3.0	CAM 40553
			4.0	CAM 40554
			5.0	CAM 40555
			6.0	CAM 40556
		7.0	1.0	CAM 40701
			2.0	CAM 40702
			3.0	CAM 40703
			4.0	CAM 40704
			5.0	CAM 40705
			6.0	CAM 40706
	4.5	4.0	1.0	CAM 45401
			2.0	CAM 45402
			3.0	CAM 45403
			4.0	CAM 45404
			5.0	CAM 45405
			6.0	CAM 45406
		5.5	1.0	CAM 45551
			2.0	CAM 45552
			3.0	CAM 45553
			4.0	CAM 45554
			5.0	CAM 45555
			6.0	CAM 45556
		7.0	1.0	CAM 45701
			2.0	CAM 45702
			3.0	CAM 45703
			4.0	CAM 45704
			5.0	CAM 45705
			6.0	CAM 45706

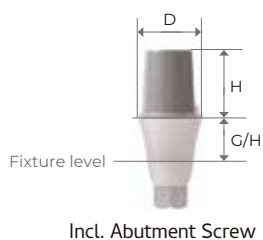
Transfer Abutment



PROSTHETIC COMPONENTS

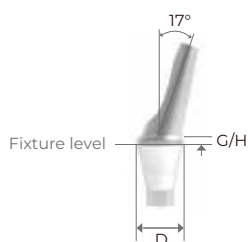
Connection	Diameter (Ø)	Height (mm)	GH (mm)	Model No.
R (2.5 Hex)	4.5	4.0	1.0	CAR 45401
			2.0	CAR 45402
			3.0	CAR 45403
			4.0	CAR 45404
			5.0	CAR 45405
			6.0	CAR 45406
		5.5	1.0	CAR 45551
			2.0	CAR 45552
			3.0	CAR 45553
			4.0	CAR 45554
			5.0	CAR 45555
			6.0	CAR 45556
		7.0	1.0	CAR 45701
			2.0	CAR 45702
			3.0	CAR 45703
			4.0	CAR 45704
			5.0	CAR 45705
			6.0	CAR 45706
	5.0	4.0	1.0	CAR 50401
			2.0	CAR 50402
			3.0	CAR 50403
			4.0	CAR 50404
			5.0	CAR 50405
			6.0	CAR 50406
		5.5	1.0	CAR 50551
			2.0	CAR 50552
			3.0	CAR 50553
			4.0	CAR 50554
			5.0	CAR 50555
			6.0	CAR 50556
		7.0	1.0	CAR 50701
			2.0	CAR 50702
			3.0	CAR 50703
			4.0	CAR 50704
			5.0	CAR 50705
			6.0	CAR 50706

Transfer Abutment



PROSTHETIC COMPONENTS

Angle Abutment 17°

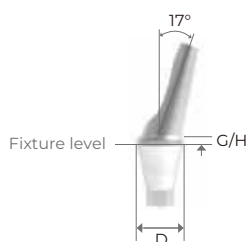


Incl. Abutment Screw

Connection	Diameter (Ø)	GH (mm)	Model No.
M (2.1 Hex)	4.0	1.0	AAM 17401A
		2.0	AAM 17402A
		3.0	AAM 17403A
		4.0	AAM 17404A
	4.5	1.0	AAM 17451A
		2.0	AAM 17452A
		3.0	AAM 17453A
		4.0	AAM 17454A
R (2.5 Hex)	4.0	1.0	AAR 17401A
		2.0	AAR 17402A
		3.0	AAR 17403A
		4.0	AAR 17404A
	4.5	1.0	AAR 17451A
		2.0	AAR 17452A
		3.0	AAR 17453A
		4.0	AAR 17454A
	5.0	1.0	AAR 17501A
		2.0	AAR 17502A
		3.0	AAR 17503A
		4.0	AAR 17504A
	6.0	1.0	AAR 17601A
		2.0	AAR 17602A
		3.0	AAR 17603A
		4.0	AAR 17604A

PROSTHETIC COMPONENTS

Angle
Abutment 17°



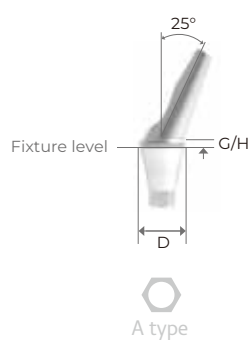
B type

Incl. Abutment Screw

Connection	Diameter (Ø)	GH (mm)	Model No.
M (2.1 Hex)	4.0	1.0	AAM 17401B
		2.0	AAM 17402B
		3.0	AAM 17403B
		4.0	AAM 17404B
	4.5	1.0	AAM 17451B
		2.0	AAM 17452B
		3.0	AAM 17453B
		4.0	AAM 17454B
R (2.5 Hex)	4.0	1.0	AAR 17401B
		2.0	AAR 17402B
		3.0	AAR 17403B
		4.0	AAR 17404B
	4.5	1.0	AAR 17451B
		2.0	AAR 17452B
		3.0	AAR 17453B
		4.0	AAR 17454B
	5.0	1.0	AAR 17501B
		2.0	AAR 17502B
		3.0	AAR 17503B
		4.0	AAR 17504B
	6.0	1.0	AAR 17601B
		2.0	AAR 17602B
		3.0	AAR 17603B
		4.0	AAR 17604B

PROSTHETIC COMPONENTS

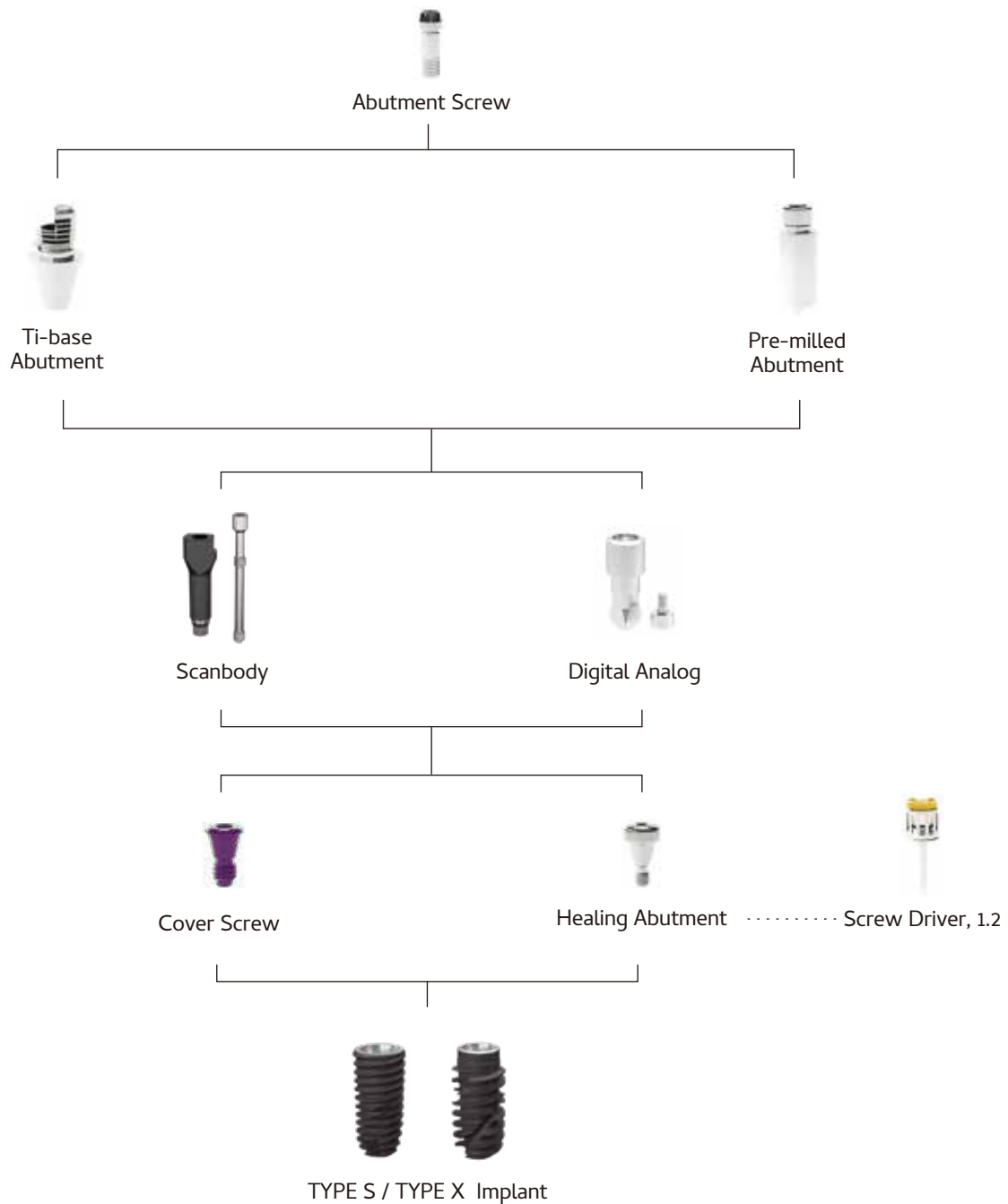
Angle Abutment 25°



Incl. Abutment Screw

Connection	Diameter (Ø)	Angle (°)	GH (mm)	Model No.
M (2.1 Hex)	4.5	25	1.0	AAM 25451A
			2.0	AAM 25452A
			3.0	AAM 25453A
			4.0	AAM 25454A
			5.0	AAM 25455A
R (2.5 Hex)	5.0	25	1.0	AAR 25501A
			2.0	AAR 25502A
			3.0	AAR 25503A
			4.0	AAR 25504A
			5.0	AAR 25505A

PROSTHETIC FLOW CHART



PROSTHETIC COMPONENTS

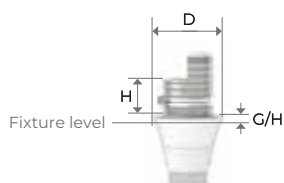
Pre-milled Abutment



Incl. Abutment Screw

Connection	Diameter (Ø)	Holder	Model No.
M (2.1 Hex)	10.0	ARUM (98.0mm)	P1PMA
R (2.5 Hex)	10.0	ARUM (98.0mm)	P1PRA

Ti-base Abutment



Incl. Abutment Screw

Connection	Diameter (Ø)	GH (mm)	H (mm)	Model No.
M (2.1 Hex)	4.0	1.0	4.0	TBM 4041
		2.0		TBM 4042
		3.0		TBM 4043
		4.0		TBM 4044
R (2.5 Hex)	4.5	1.0	4.0	TBR 4541
		2.0		TBR 4542
		3.0		TBR 4543
		4.0		TBR 4544
M (2.1 Non-hex)	4.0	1.0	4.0	TBM 4041N
		2.0		TBM 4042N
		3.0		TBM 4043N
		4.0		TBM 4044N
R (2.5 Non-hex)	4.5	1.0	4.0	TBR 4541N
		2.0		TBR 4542N
		3.0		TBR 4543N
		4.0		TBR 4544N

PROSTHETIC COMPONENTS

Scanbody



Incl. Scanbody Screw

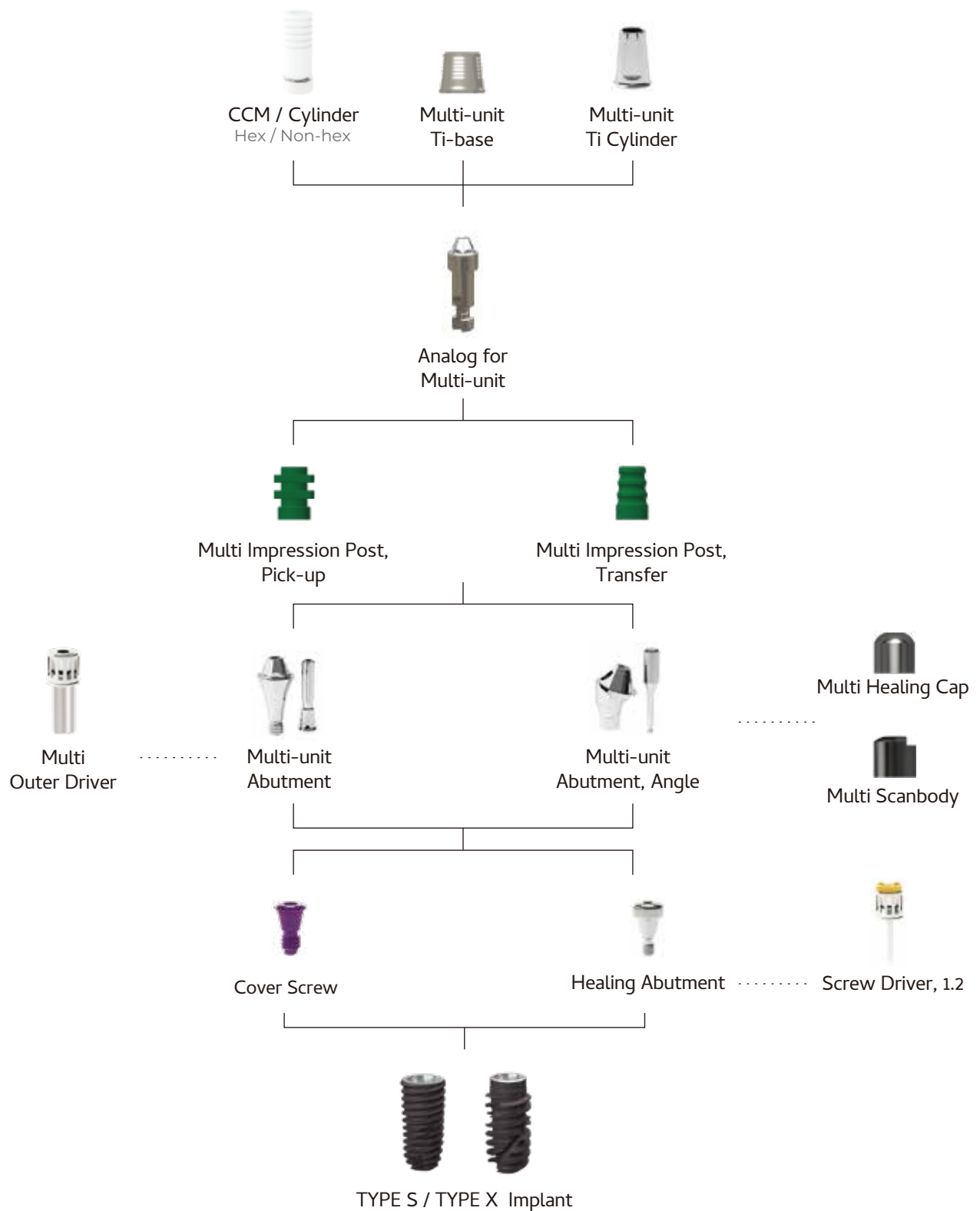
Connection	Diameter (Ø)	Length (mm)	Model No.
M (2.1 Hex)	4.5	10.5	SBM S
		14.5	SBM L
R (2.5 Hex)	5.5	10.5	SBR S
		14.5	SBR L

Digital Analog



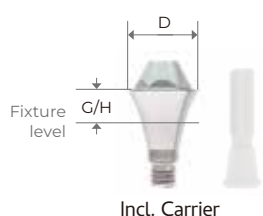
Connection	Diameter (Ø)	Model No.
M (2.1 Hex)	4.1	DAM
R (2.5 Hex)	4.6	DAR

PROSTHETIC FLOW CHART



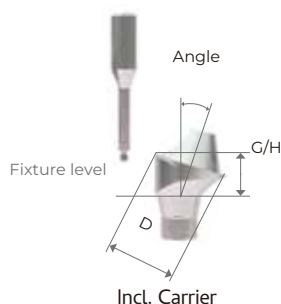
PROSTHETIC COMPONENTS

Multi-unit Abutment



Connection	Diameter (Ø)	Angle (°)	GH (mm)	Model No.
M (2.1 Hex)	4.8	0	1.0	MAM 4810
			2.0	MAM 4820
			3.0	MAM 4830
			4.0	MAM 4840
R (2.5 Hex)	4.8	0	1.0	MAR 4810
			2.0	MAR 4820
			3.0	MAR 4830
			4.0	MAR 4840

Multi-unit Abutment, Angle



Connection	Diameter (Ø)	Angle (°)	GH (mm)	Model No.
M (2.1 Hex)	4.8	17	2.5	MAM 174825
			3.0	MAM 174830
			4.0	MAM 174840
		30	3.5	MAM 304835
			4.0	MAM 304840
			5.0	MAM 304850
R (2.5 Hex)	4.8	17	2.5	MAR 174825
			3.0	MAR 174830
			4.0	MAR 174840
		30	3.5	MAR 304835
			4.0	MAR 304840
			5.0	MAR 304850

Multi-Unit Abutment Driver



Model No.

MUD

Multi Scanbody



Model No.

MSB

Multi Healing Cap



Model No.

MHC

Multi Prosthetic Screw

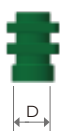


Model No.

MPS

PROSTHETIC COMPONENTS

Multi Impression Post,
Pick-up



Hex	Diameter (Ø)	Length (mm)	Model No.
Hex	4.8	10.0	MIP 48S
		15.0	MIP 48L
Non-Hex	4.8	10.0	MIP 48SN
		15.0	MIP 48LN

Multi Impression Post,
Transfer



Hex	Diameter (Ø)	Model No.
Non-Hex	4.8	MIT 48

Multi Analog



Diameter (Ø)	Model No.
4.8	MUA 48
5.5	MUA 55

Multi-unit
Ti Cylinder



Diameter (Ø)	Hex	Model No.
5.0	Hex	MCP 50H
5.0	Non-Hex	MCP 50N

Multi-unit
CCM Cylinder



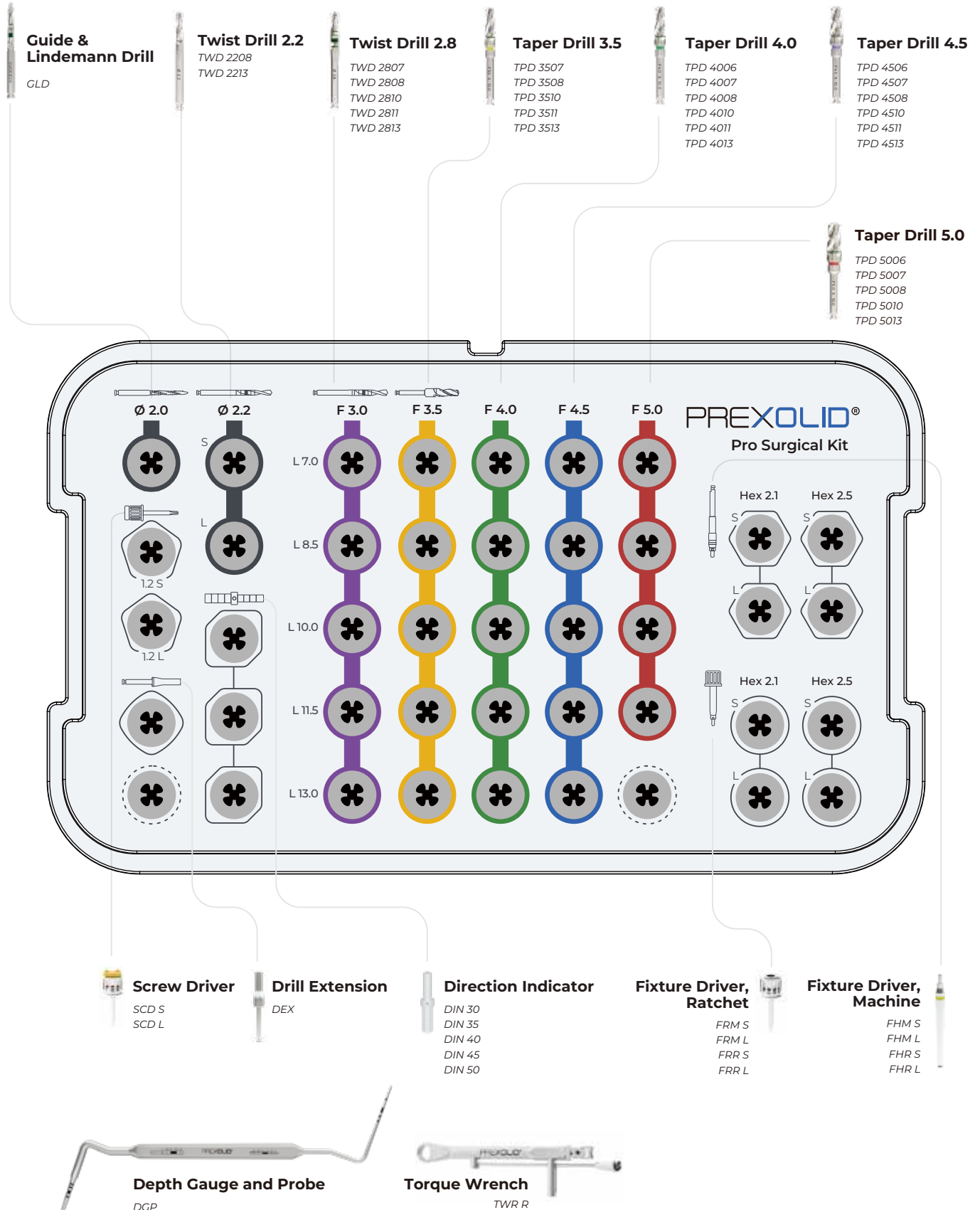
Connection	Diameter (Ø)	Model No.
M (2.1 Hex) / R (2.5 Hex)	4.0	CCS 40H
Non-Hex	4.0	CCS 40N

Multi-unit
Ti-base

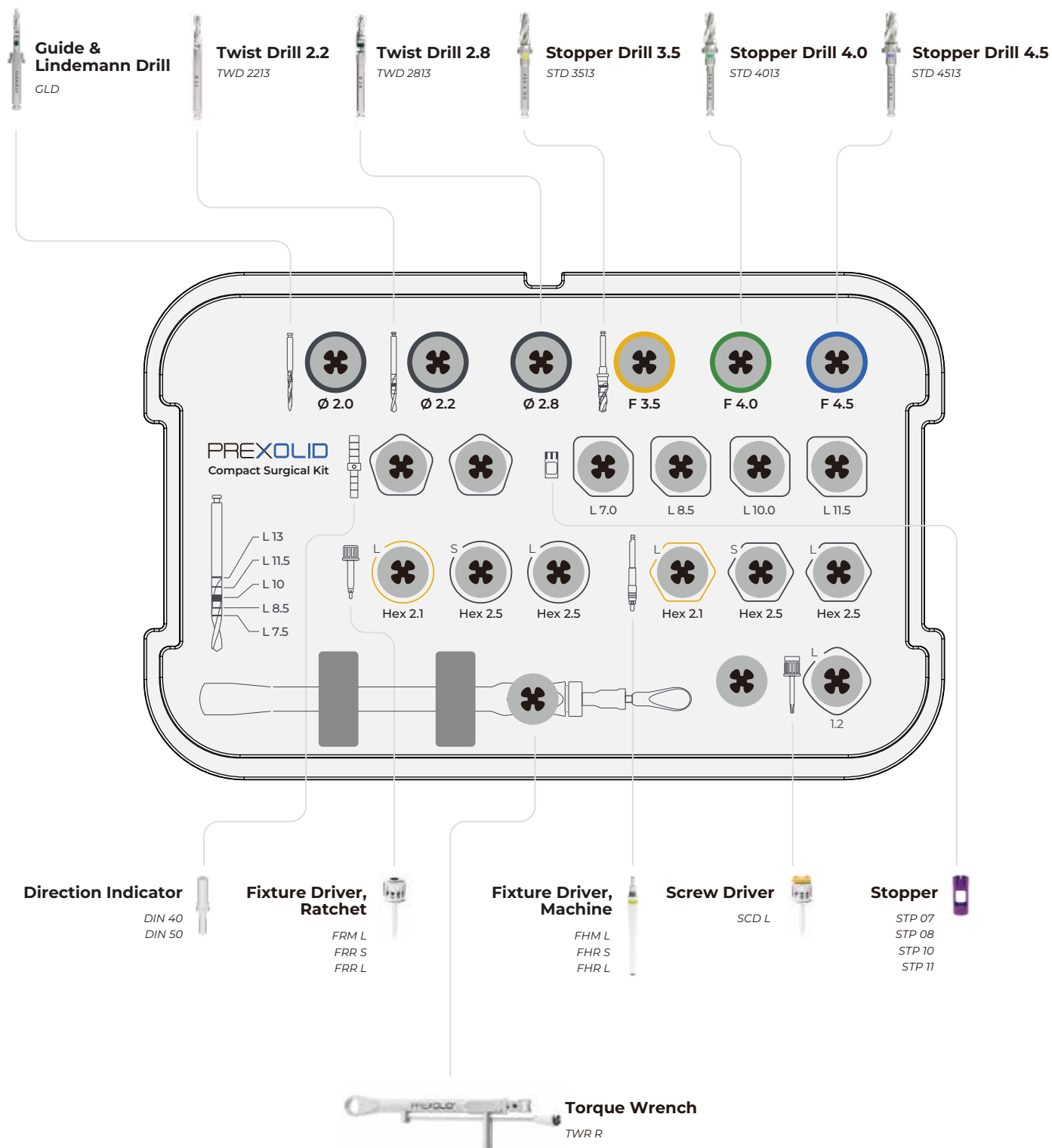


Angle (°)	Length (mm)	Model No.
5	4	MTA 0405
10		MTA 0410
5	6	MTA 0605

PRO SURGICAL KIT



COMPACT SURGICAL KIT





Drills

Item	Diameter (Ø)	Length (mm)	Model No.	Item	Diameter (Ø)	Length (mm)	Model No.
Guide & Lindemann	2.0	13.0	GLD	Taper Drill 3.5	3.5	7.0 8.5 10.0 11.5 13.0	TPD 3507 TPD 3508 TPD 3510 TPD 3511 TPD 3513
Twist Drill 2.2	2.2	8.5 13.0	TWD 2208 TWD 2213	Taper Drill 4.0	4.0	6.0 7.0 8.5 10.0 11.5 13.0	TPD 4006 TPD 4007 TPD 4008 TPD 4010 TPD 4011 TPD 4013
Twist Drill 2.8	2.8	7.0 8.5 10.0 11.5 13.0	TWD 2807 TWD 2808 TWD 2810 TWD 2811 TWD 2813	Taper Drill 4.5	4.5	6.0 7.0 8.5 10.0 11.5 13.0	TPD 4506 TPD 4507 TPD 4508 TPD 4510 TPD 4511 TPD 4513
Stopper Drill 3.5	3.5	13.0	STD 3513	Taper Drill 5.0	5.0	6.0 7.0 8.5 10.0 13.0	TPD 5006 TPD 5007 TPD 5008 TPD 5010 TPD 5013
Stopper Drill 4.0	4.0	13.0	STD 4013				
Stopper Drill 4.5	4.5	13.0	STD 4513				

Drivers



Item	Diameter (Ø)	Length (mm)	Model No.
Screw Driver	1.2	Short (S) 13.0	SCD S
		Long (L) 20.0	SCD L
Fixture Driver, Ratchet	Hex 2.1 (Mini)	Short (S) 28.0	FRM S
		Long (L) 33.0	FRM L
	Hex 2.5 (Regular)	Short (S) 28.0	FRR S
		Long (L) 33.0	FRR L
Fixture Driver, Machine	Hex 2.1 (Mini)	Short (S) 19.0	FHM S
		Long (L) 27.0	FHM L
	Hex 2.5 (Regular)	Short (S) 19.0	FHR S
		Long (L) 27.0	FHR L



Instruments

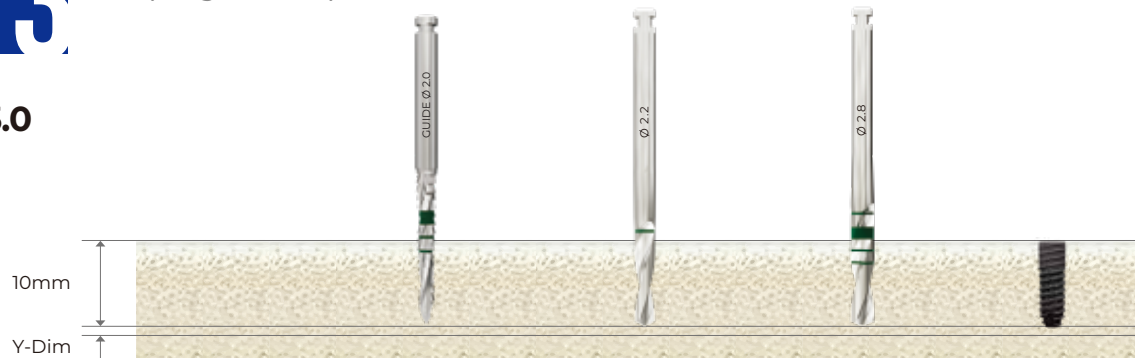
Item	Specification	Model No.	Item	Specification	Model No.
Stopper	L 7.0 mm L 8.5 mm L 10.0 mm L 11.5 mm	STP 07 STP 08 STP 10 STP 11	Direction Indicator	Ø 3.0 Ø 3.5 Ø 4.0 Ø 4.5 Ø 5.0	DIN 30 DIN 35 DIN 40 DIN 45 DIN 50
Torque Wrench	Round	TWR R			

TYPE S

Drilling Sequence

(Length: 10mm)

F 3.0



Bone Quality	Guide Drill	Twist Drill (Ø 2.2)	Twist Drill (Ø 2.8)	F 3.0 Fixture
Soft	☐	☐		Implant Placement
Normal	☐	☐	☐	
Hard	☐	☐		

No Taper Drill. Narrow anterior ridge — prioritize axial precision.

F 3.5



Bone Quality	Guide Drill	Twist Drill (Ø 2.2)	Twist Drill (Ø 2.8)	Taper Drill (F 3.5)	F 3.5 Fixture
Soft	☐	☐	☐		Implant Placement
Normal	☐	☐	☐	☐	
Hard	☐	☐	☐	☐	

Versatile anterior size — note the resistance change entering the Taper Drill.

F 4.0

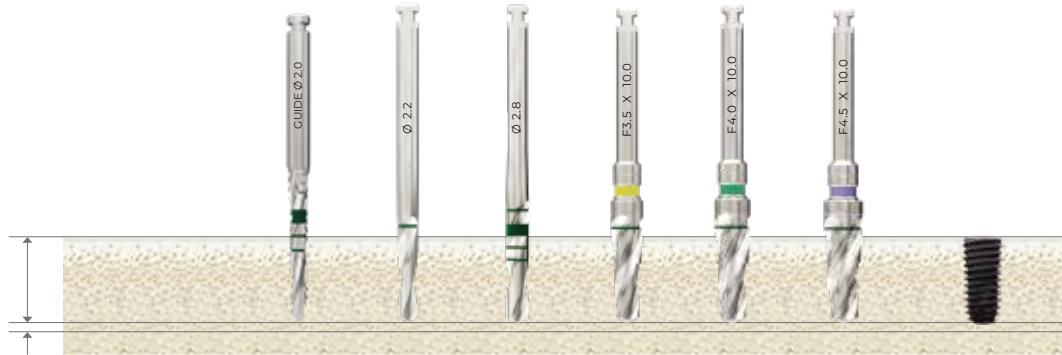


Bone Quality	Guide Drill	Twist Drill (Ø 2.2)	Twist Drill (Ø 2.8)	Taper Drill (F 3.5)	Taper Drill (F 4.0)	F 4.0 Fixture
Soft	☐	☐	☐	☐		Implant Placement
Normal	☐	☐	☐	☐	☐	
Hard	☐	☐	☐	☐		

Premolar/molar transition — re-confirm root apex & sinus floor on radiograph. Largest UD in the lineup — expect comparatively higher insertion resistance than neighboring sizes.

F 4.5

10mm
Y-Dim

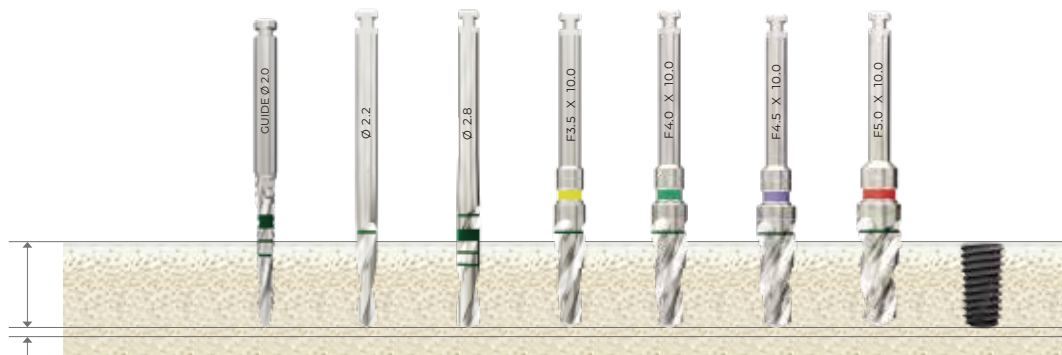


Bone Quality	Guide Drill	Twist Drill (Ø 2.2)	Twist Drill (Ø 2.8)	Taper Drill (F 3.5)	Taper Drill (F 4.0)	Taper Drill (F 4.5)	F 4.5 Fixture
Soft	○	○	○		○		Implant Placement
Normal	○	○	○	○		○	
Hard	○	○	○	○			

Outer step narrower than 4.0 (4.25→4.6) — expect smooth progression, no spike.

F 5.0

10mm
Y-Dim



Bone Quality	Guide Drill	Twist Drill (Ø 2.2)	Twist Drill (Ø 2.8)	Taper Drill (F 3.5)	Taper Drill (F 4.0)	Taper Drill (F 4.5)	Taper Drill (F 5.0)	F 5.0 Fixture
Soft	○	○	○		○			Implant Placement
Normal	○	○	○	○		○		
Hard	○	○	○	○			○	

True wide-body: dedicated final drill required, no cortical-only shortcut.

RPM by Bone Quality

BONE	DRILL	FIXTURE
D1 Dense	500–800	15–20
D2 / D3 Normal	800–1200	20–30
D4 Soft	800–1200 ↓ lower	15–20

All values rpm. In D4, lean toward the lower end of the range to avoid overcompression.

Insertion Torque

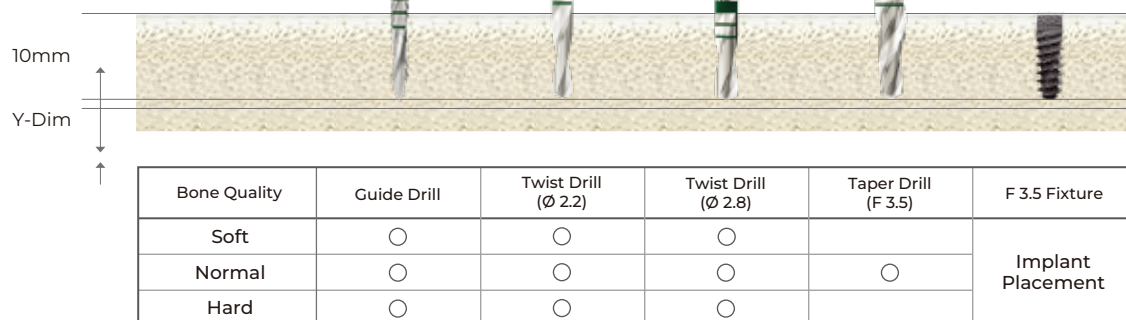
Ncm	
≥ 55	DANGER — reported risk of bone necrosis / fixture fracture
> 40	WARNING — re-check the torque limiter
≥ 35	Minimum for immediate loading
≥ 30	Primary stability target in D4 soft bone
20–40	General recommended working range
< 20	Survival rate decreases when insertion torque falls below this level

TYPE X

Drilling Sequence

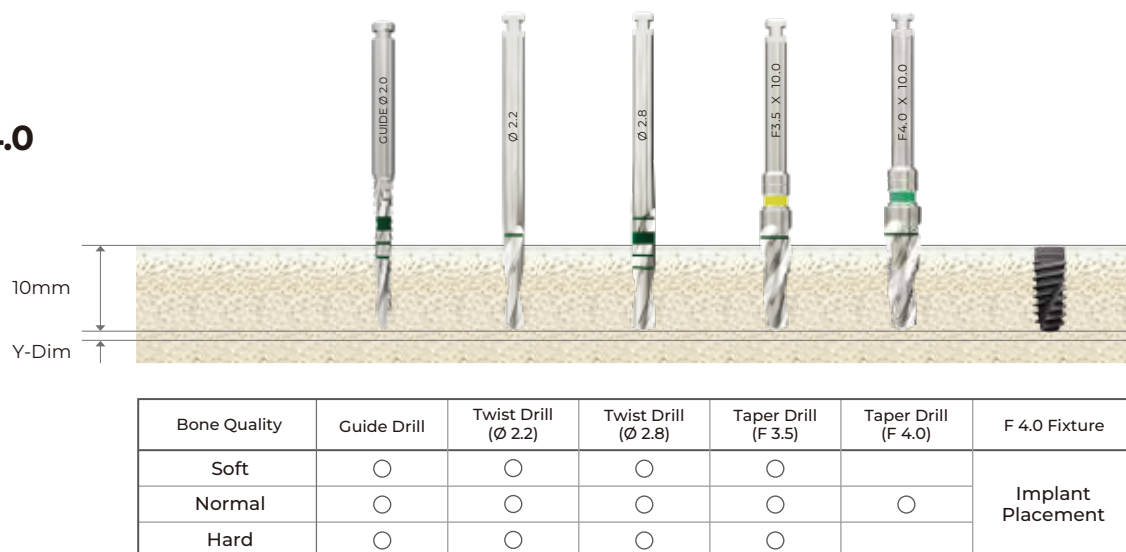
(Length: 10mm)

F 3.5



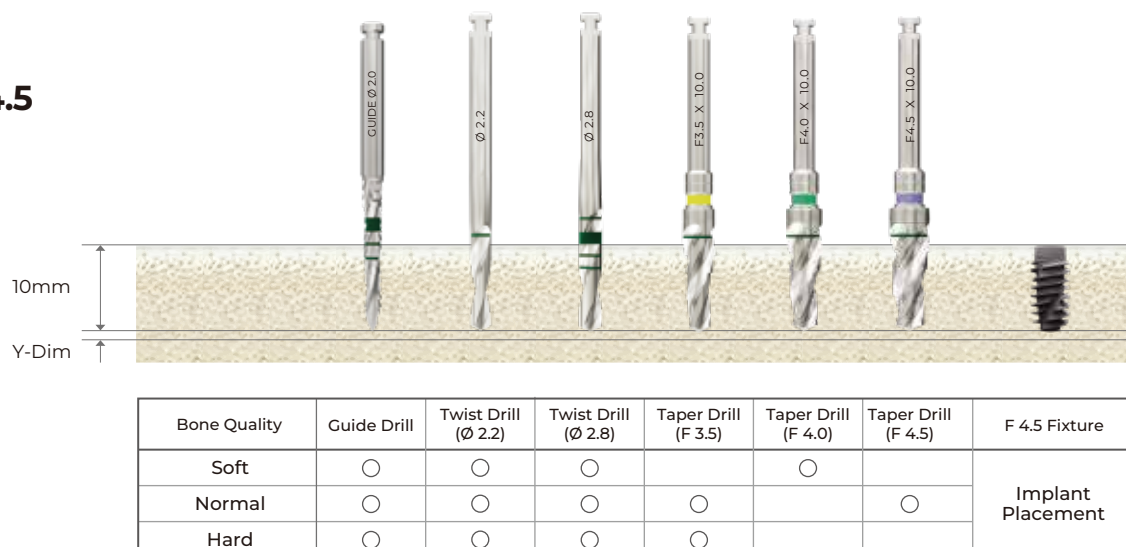
Smallest size in the Type X line (no Ø3.0 option). Anterior-use size.

F 4.0



Premolar/molar transition — re-confirm root apex & sinus floor on radiograph. Tightest fit in this size range — expect slightly firmer insertion resistance than neighboring sizes.

F 4.5



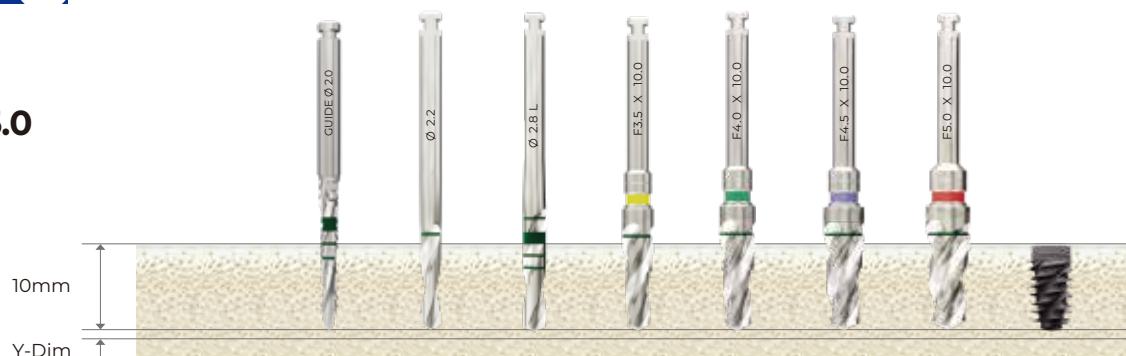
Wider prosthetic platform & connection begin at the next size (Ø5.0) — no change to this drilling step.

TYPE X

Drilling Sequence

(Length: 10mm)

F 5.0



Bone Quality	Guide Drill	Twist Drill (Ø 2.2)	Twist Drill (Ø 2.8)	Taper Drill (F 3.5)	Taper Drill (F 4.0)	Taper Drill (F 4.5)	Taper Drill (F 5.0)	F 5.0 Fixture
Soft	○	○	○		○	○		Implant Placement
Normal	○	○	○	○				
Hard	○	○	○	○			○	

True wide-body — dedicated final drill required. Wider prosthetic platform & connection at this size only.

Type X shares the same F-series drills as Type S — no separate drill kit required.

RPM by
Bone Quality

BONE	DRILL	FIXTURE
D1 Dense	500–800	15–20
D2 / D3 Normal	800–1200	20–30
D4 Soft	800–1200 ↓ lower	15–20

All values rpm. In D4, lean toward the lower end of the range to avoid overcompression.

Insertion
Torque

Ncm

≥ 55	DANGER — reported risk of bone necrosis / fixture fracture
> 40	WARNING — re-check the torque limiter
≥ 35	Minimum for immediate loading
≥ 30	Primary stability target in D4 soft bone
20–40	General recommended working range
< 20	Survival rate decreases when insertion torque falls below this level

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