MiNi™

Strong Solution for Narrow Ridge.

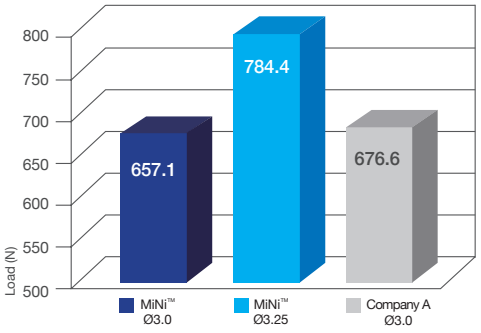
Volume MiNi C3.0

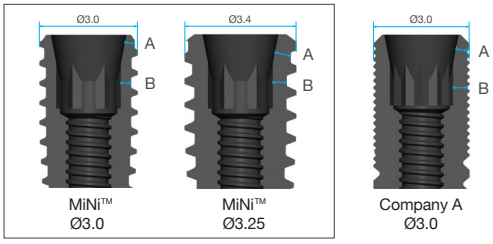
MEGAGEN

Features

MiNi, but mighty

- MiNi™ was designed for your convenience with better reliability. When compared with the company A, MiNi™ Ø3.0 has similar compressive strength, but Ø3.25 showed much higher value of strength on the thin wall area of the fixture.



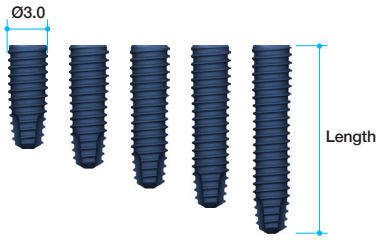


Parallel wall thickness	MiNi™ Ø3	MiNi™ Ø3.25	Company A Ø3
A	0.28	0.47	0.34
B	0.31	0.42	0.44

Fixture Size

Ø3.0

Diameter	Length(mm)	Ref.C
Ø3.0	8.5	MIIF3008C
	10.0	MIIF3010C
	11.5	MIIF3011C
	13.0	MIIF3013C
	15.0	MIIF3015C



Ø3.25

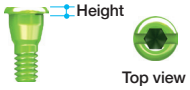
Diameter	Length(mm)	Ref.C
Ø3.25	8.5	MIIF3308C
	10.0	MIIF3310C
	11.5	MIIF3311C
	13.0	MIIF3313C
	15.0	MIIF3315C

Cover Screw & Healing Abutment

Cover Screw

Height(mm)	Ref.C
0.5	MICS2505

- Recommended torque - Manual (5~10 N·cm)



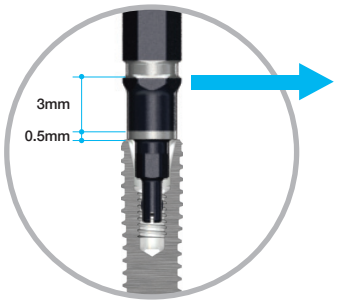
Healing Abutment

Profile Diameter	Cuff Height(mm)	Ref.C
Ø3	1.0	MIHA3025
	1.5	MIHA3030
	2.5	MIHA3040
	3.5	MIHA3050
	4.5	MIHA3060

Profile Diameter	Cuff Height(mm)	Ref.C
Ø3.5	1.0	MIHA3525
	1.5	MIHA3530
	2.5	MIHA3540
	3.5	MIHA3550
	4.5	MIHA3560

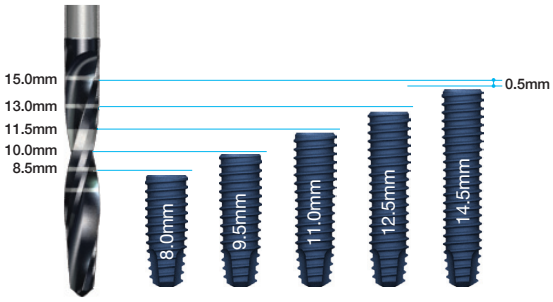
- Recommended torque - Manual (5~10 N·cm)

Fixture Length and Drill Marking

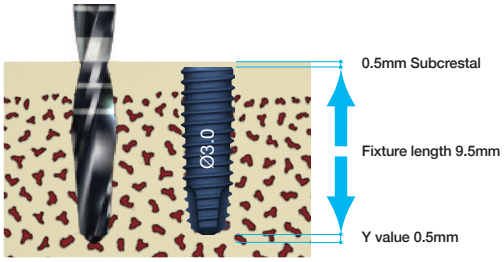


The platform line of the Handpiece Connector or the Ratchet Connector must be seated flush to the fixture platform.

⚠ When using the Ratchet Wrench, do not use an excessive torque as it can lead to a failure of internal structural damage to the fixtures, It is not recommended to exceed the maximum torque of 75N·cm.

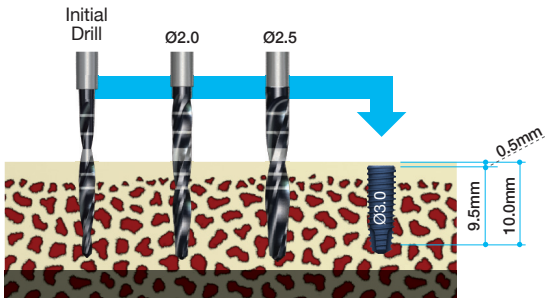


The actual lengths of MiNi™ internal fixture is 0.5mm shorter than the depth markings of a shaping drill. Therefore, the fixture will be placed 0.5mm under the crest naturally.

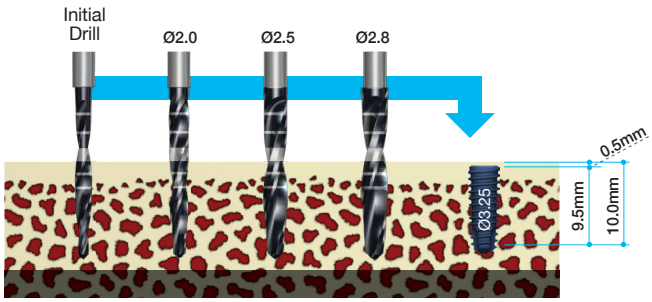


Actual drilling depth 10.5mm
= 0.5mm subcrestal + 9.5mm actual fixture length + 0.5mm Y value
* Ø3.0 (Y value = 0.5mm), Ø3.25 (Y value = 0.586)

Surgical Drilling Sequence



Actual drilling depth 10.5mm
= 0.5mm subcrestal + 9.5mm actual fixture length + 0.5mm Y value



Actual drilling depth 10.5mm
= 0.5mm subcrestal + 9.5mm actual fixture length + 0.586mm Y value

Surgical Kit (KMIIP3000)

Surgical Instruments

Initial Drill

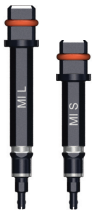
Diameter	Length(mm)	Ref.C
Ø1.8	33	ID1818S

Handpiece Connector

Hex Size(mm)	Type	Ref.C
1.7	Short	HCS17
	Long	HCL17

Ratchet Connector

Hex Size(mm)	Length(mm)	Ref.C
1.7	Short	RCS17
	Long	RCL17

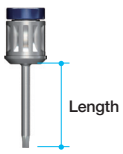


Shaping Drill

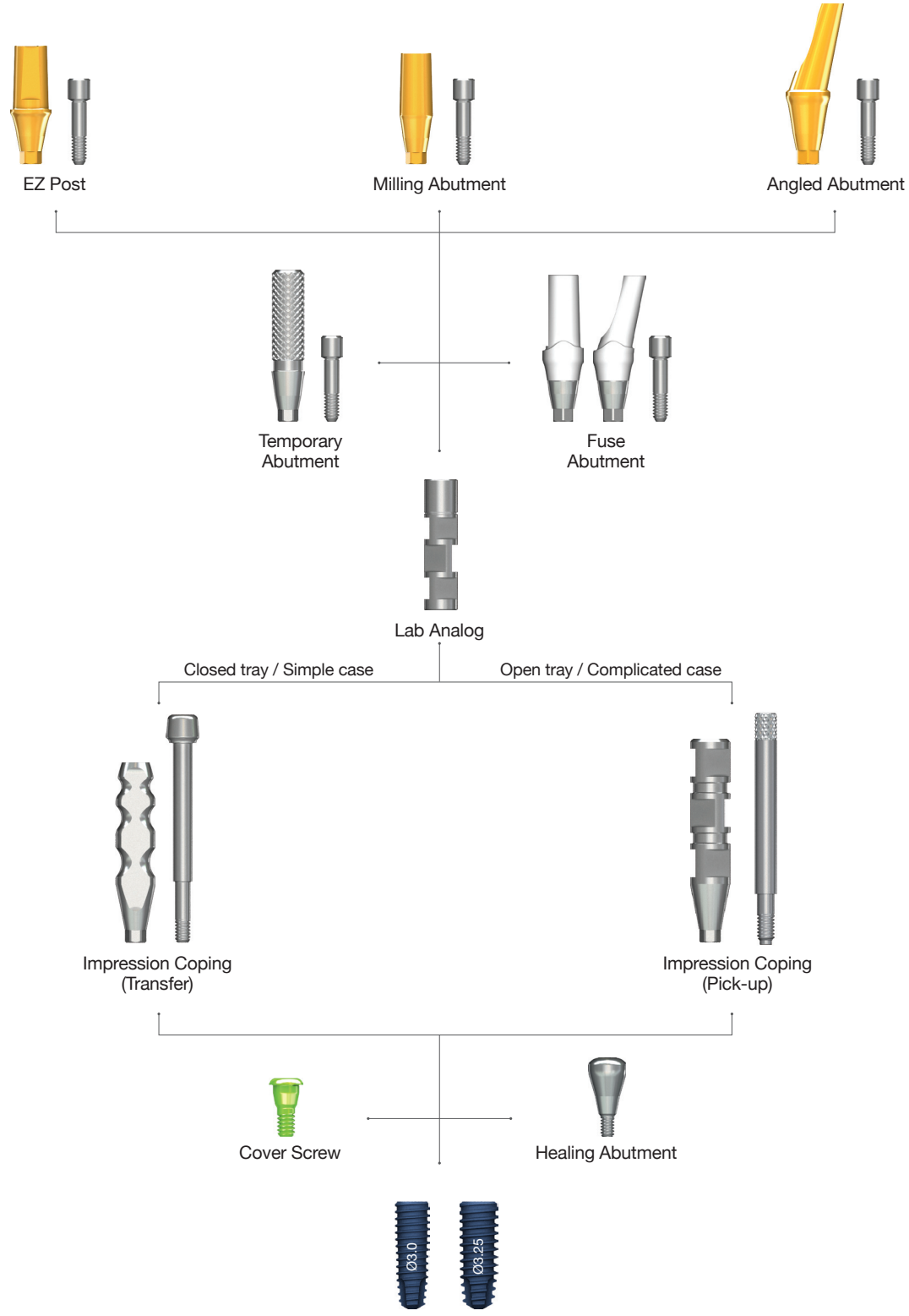
Diameter	Length(mm)	Ref.C
Ø2.0	33	SD2018S
Ø2.5		SD2518S
Ø2.8		SD2818S

Hand Driver

Type	Length(mm)	Hex	Ref.C
Long	15	1.2	TCMHDL1200



Prosthesis


EZ Post
Milling Abutment
Angled Abutment
Temporary Abutment
Fuse Abutment
Lab Analog
Closed tray / Simple case
Open tray / Complicated case
Impression Coping (Transfer)
Impression Coping (Pick-up)
Cover Screw
Healing Abutment
Ø3.0
Ø3.25

Prosthesis Options

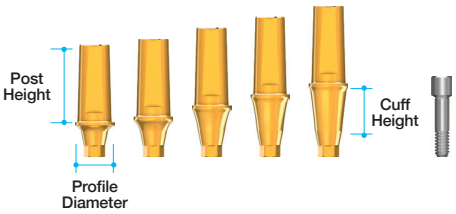
EZ Post

- Abutment Screw(MIAS14) included

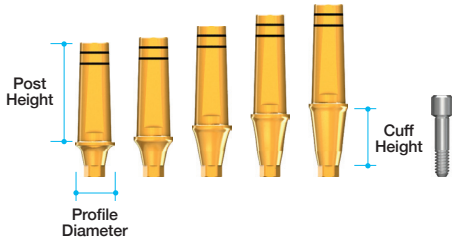
Profile Diameter	Post Height(mm)	Cuff Height (mm)	Ref.C
Ø3.5	5.0	1.0	MIEP3505HT
		1.5	MIEP3515HT
		2.5	MIEP3525HT
		3.5	MIEP3535HT
		4.5	MIEP3545HT

• Recommended torque - 15 N·cm

Profile Diameter	Post Height(mm)	Cuff Height (mm)	Ref.C
Ø3.5	7.0	1.0	MIEP3507HT
		1.5	MIEP3517HT
		2.5	MIEP3527HT
		3.5	MIEP3537HT
		4.5	MIEP3547HT



Profile Diameter	Post Height(mm)	Cuff Height (mm)	Ref.C
Ø3.5	9.0	1.0	MIEP3509HT
		1.5	MIEP3519HT
		2.5	MIEP3529HT
		3.5	MIEP3539HT
		4.5	MIEP3549HT

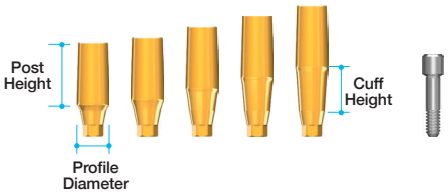


Milling Abutment

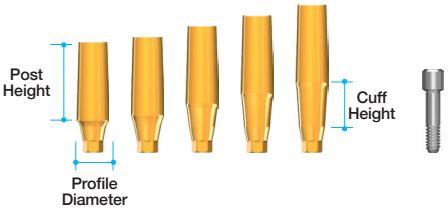
- Abutment Screw(MIAS14) included

Profile Diameter	Post Height(mm)	Cuff Height (mm)	Ref.C
Ø3.0	5.0	1.0	MIMA3005HT
		1.5	MIMA3015HT
		2.5	MIMA3025HT
		3.5	MIMA3035HT
		4.5	MIMA3045HT

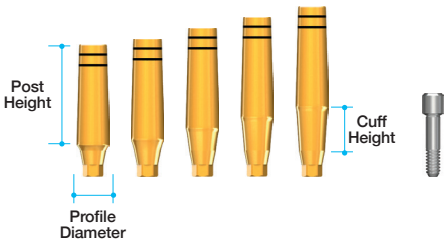
• Recommended torque - 15 N·cm



Profile Diameter	Post Height(mm)	Cuff Height (mm)	Ref.C
Ø3.0	7.0	1.0	MIMA3007HT
		1.5	MIMA3017HT
		2.5	MIMA3027HT
		3.5	MIMA3037HT
		4.5	MIMA3047HT



Profile Diameter	Post Height(mm)	Cuff Height (mm)	Ref.C
Ø3.0	9.0	1.0	MIMA3009HT
		1.5	MIMA3019HT
		2.5	MIMA3029HT
		3.5	MIMA3039HT
		4.5	MIMA3049HT

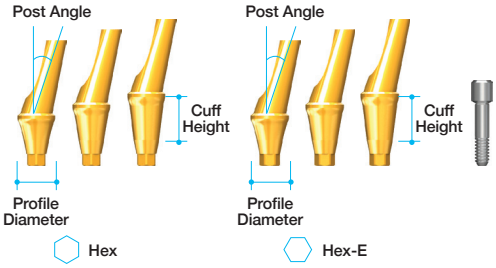


Angled Abutment

- Abutment Screw(MIAS14) included

Type	Profile Diameter	Cuff Height (mm)	Post Angle	Ref.C
Hex	Ø3.5	2.5	15°	MIAA3215HT
		3.5		MIAA3315HT
		4.5		MIAA3415HT
Hex-E		2.5		MIAA3215ET
		3.5		MIAA3315ET
		4.5		MIAA3415ET

• Recommended torque - 15 N·cm



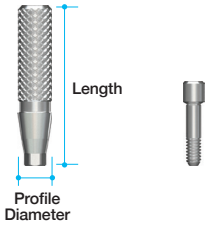
Prosthesis Option

Temporary Abutment

- Abutment Screw(MIAS14) included

Profile Diameter	Length(mm)	Ref.C
Ø3.0	12	MITA3012HT

- Recommended torque - 10~15 N·cm

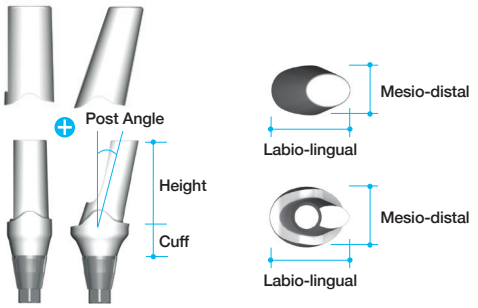


Fuse Abutment

- Abutment Screw(MIAS14) + Fuse Cap included

Type	Labio-lingual	Mesio-distal	Cuff (mm)	Height (mm)	Ref.C
Straight	Ø5.0	Ø3.5	3.5	7.0	MFAP3535P
Angled(15°)					MFAA3315P

- Recommended torque - 10~15 N·cm

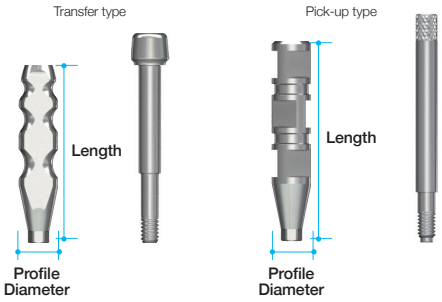


Impression Coping

- Guide Pin included

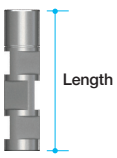
Type	Profile Diameter	Length(mm)	Ref.C
Transfer	Ø3.5	14	MIIT3516HT
Pick-up		16	MIIP3516HT

- Guide Pin
  Transfer type - MIGPT16
  Pick-up type - MIGPP16



Lab Analog

Length(mm)	Ref.C
12	MILA300H



Case Report

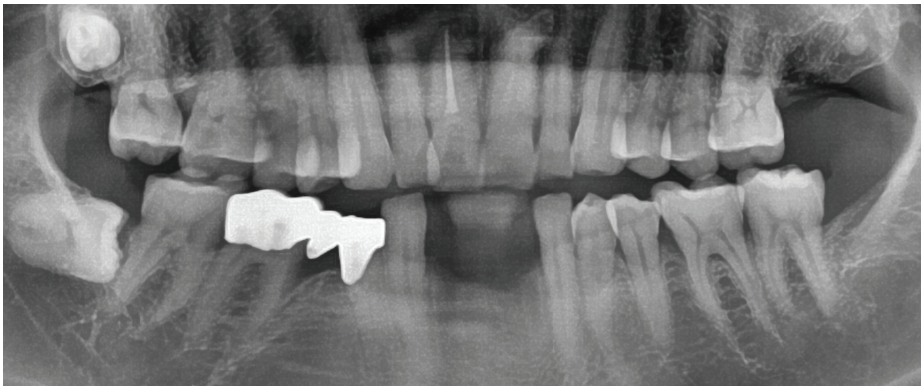
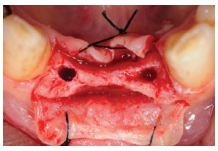


Fig 1. Preoperative panoramic radiograph and intraoral photos. The ridge was atrophied due to long-term absence of teeth.



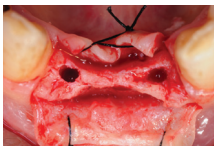


Fig 2. Flap was elevated and two osteotomy sockets were made for 3.0mm MiNi™ fixtures. There was enough bone left in labio-lingual area for slim fixture.

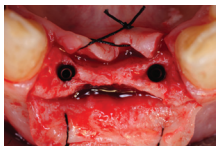


Fig 3. Two 3.0 x 15.0 mm MiNi™ implants were placed with excellent stability. GBR was not reguired.

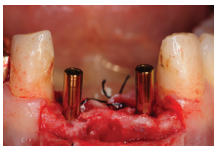


Fig 4. Two pieces EZ Post were connected to make temporary prosthetics for immediate provisionalization.

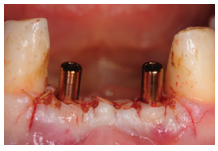


Fig 5. Flap was sutured and EZ Posts were milled for the better path.

Fig 6. Provisional restoration was made at the chair side. Due to the smaller diameter of fixture and abutment, the prosthetics could have a nice emergence profile.

Fig 7. Clinical photo and intraoral radiograph right after surgery.

Fig 8. Clinical photo and intraoral radiograph 1 month after surgery.

Fig 9. Clinical photo and intraoral radiograph after final restoration.

MiNi™

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