

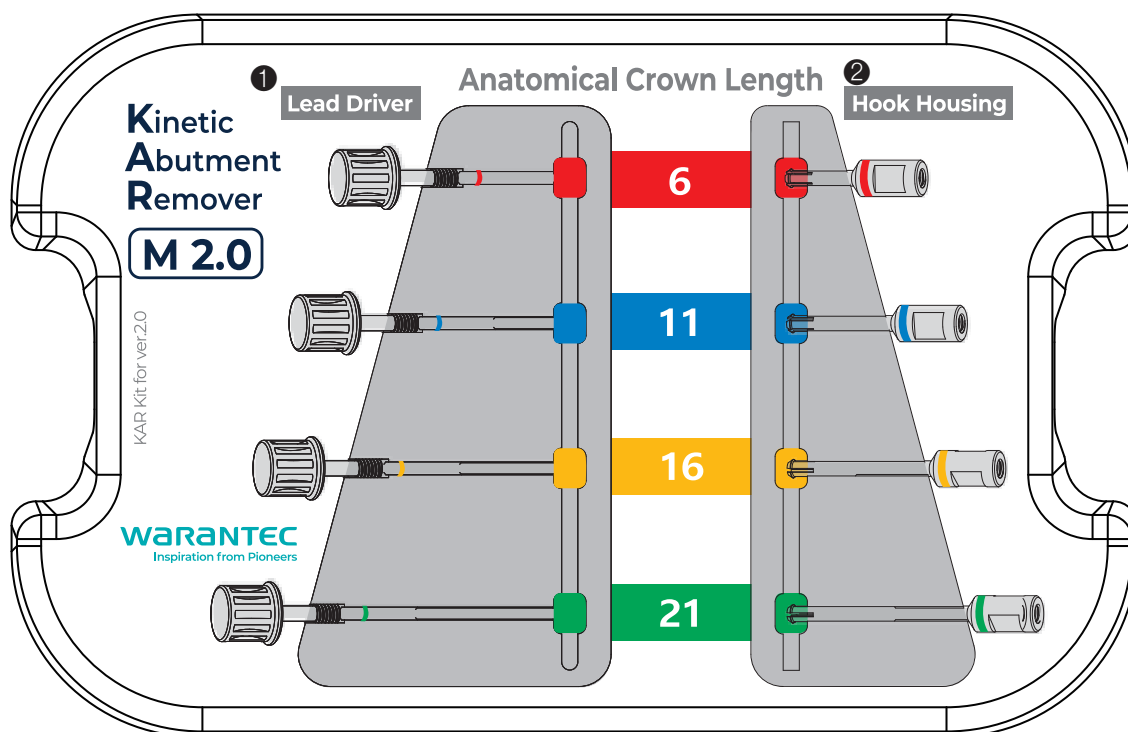
KAR Kit

Kinetic Abutment Remover



Kinetic Abutment Remover

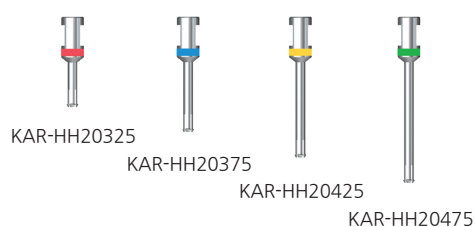
Art No. : KAR KIT



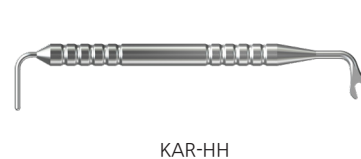
① KAR Lead Driver



② KAR Hook Housing



③ KAR Housing Holder



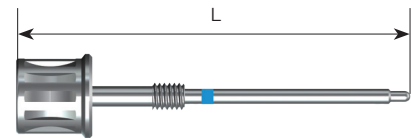
KAR is a tool that helps disengaging the abutment from the internal conical joint fixture when it is stuck due to friction without damaging the prosthesis through the controlled axial load.

Remnants of the fractured abutment can also be easily removed by using KAR.

KAR

Lead Driver

- It can be used to remove the abutment when the assembled part is fractured with hook housing.
- A tool that is inserted by penetrating the Hook Housing.
- Blocks contraction to maintain the grip force of Hook Housing that holds the abutment, and at the same time, disassembles the abutment from the fixture by pushing the bottom of the fixture with the turning force that is generated from engaging it to the Hook Housing.
- Recommended : Less than 50 RPM



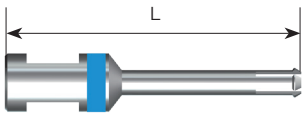
Art No.	Package Components	Length	Applicable Screw Hole Size
KAR-LD20325		32.5	1.95~2.15
KAR-LD20375		37.5	
KAR-LD20425		42.5	
KAR-LD20475		47.5	

* Optional

Art No.	Package Components	Length	Applicable Screw Hole Size
KAR-LD16425		42.5	1.8~1.95
KAR-LD16475		47.5	

Hook Housing

- An instrument that goes through the screw hole of abutments to vertically reach the top part of the hex or non-hex structure in the abutment assembled to the fixture.
- It can be used to remove the abutment when the assembled part is fractured.



Art No.	Package Components	Length	Applicable Screw Hole Size
KAR-HH20325		19.1	1.95~2.15
KAR-HH20375		24.1	
KAR-HH20425		29.1	
KAR-HH20475		34.1	

*** Optional**

Art No.	Package Components	Length	Applicable Screw Hole Size
KAR-HH16425		29.1	1.8~1.95
KAR-HH16475		34.1	

Housing Holder

- A tool that holds the Hook Housing so that it does not rotate when engaging the lead driver into hook housing.
- The round tip on the other side can be used when the operator uses a destructive method to remove the abutment.



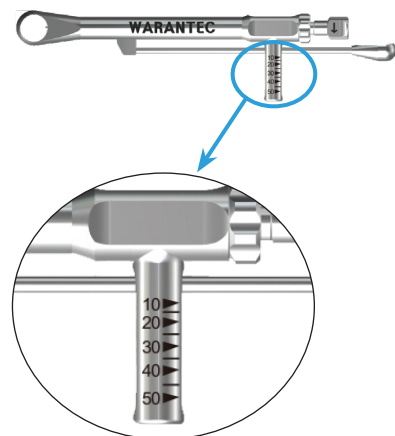
Art No.

KAR-HH

Torque Wrench

* Optional

- Used to apply torque by engaging it to the Lead Driver.
- Apply the torque by pulling the bar up to the indicated torque value line set by user.
- Rotate the pivot hand of the torque wrench to change the torque direction.

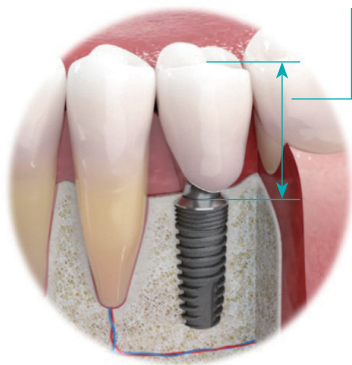


Art No.

TW

Try-in Abutment Remover

KAR Length Guide

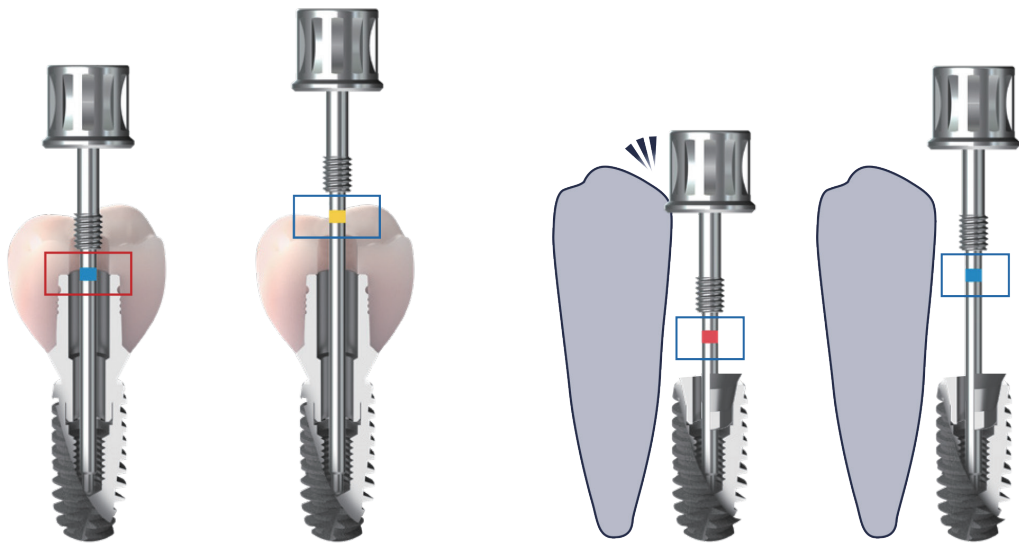


Anatomical Crown Length

Usage Range Screw Hole	Anatomical Crown Length ^{mm}			
	6	11	16	21
1.8 ~ 1.95 mm			KAR-LD16425	KAR-LD16475
1.8 ~ 1.95 mm			KAR-HH16425	KAR-HH16475
1.95 ~ 2.15 mm	KAR-LD20325	KAR-LD20375	KAR-LD20425	KAR-LD20475
1.95 ~ 2.15 mm	KAR-HH20325	KAR-HH20375	KAR-HH20425	KAR-HH20475

1.8 ~ 1.95 mm	Hole size for M1.8 screw products
1.95 ~ 2.15 mm	Hole size for M2.0 screw products

Anatomical Crown Length Try-In



If the color coding is not visible, **it cannot be operated.**

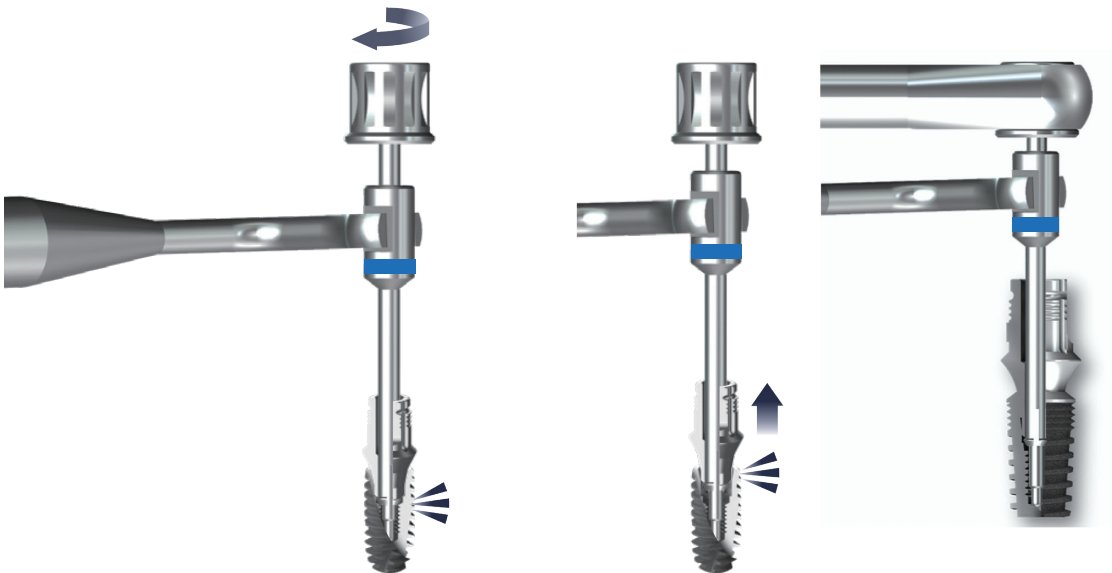
If the color coding is visible, **it can be operated.**

The color coding is visible, but it may interfere the adjacent tooth, **so choose the length by considering the situation.**

Try-in Abutment Remover

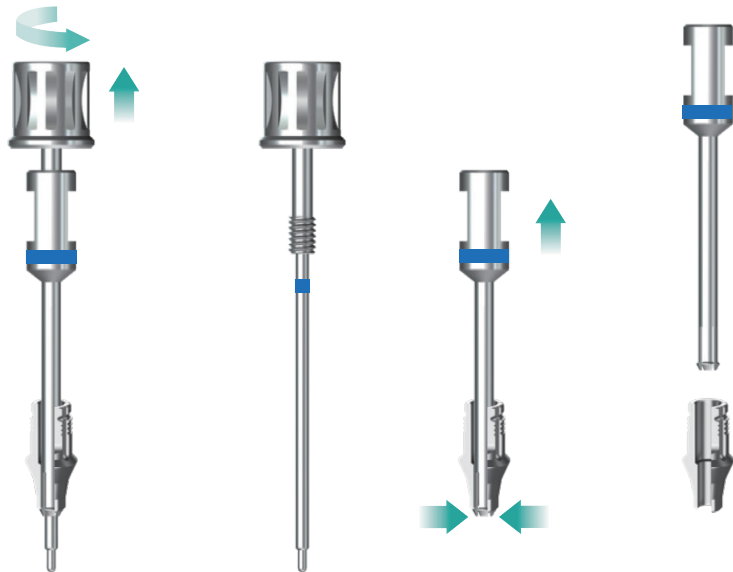


Hold the Hook Housing with a Housing Holder, and rotate the Lead Driver with your hand until there is resistance.



Engage the Torque Wrench to the Lead Driver, and rotate it to insert it into the Hook Housing. It will push the bottom of the screw hole of the fixture, disassembling the abutment with a friction-cracking sound.

Try-in Abutment Remover

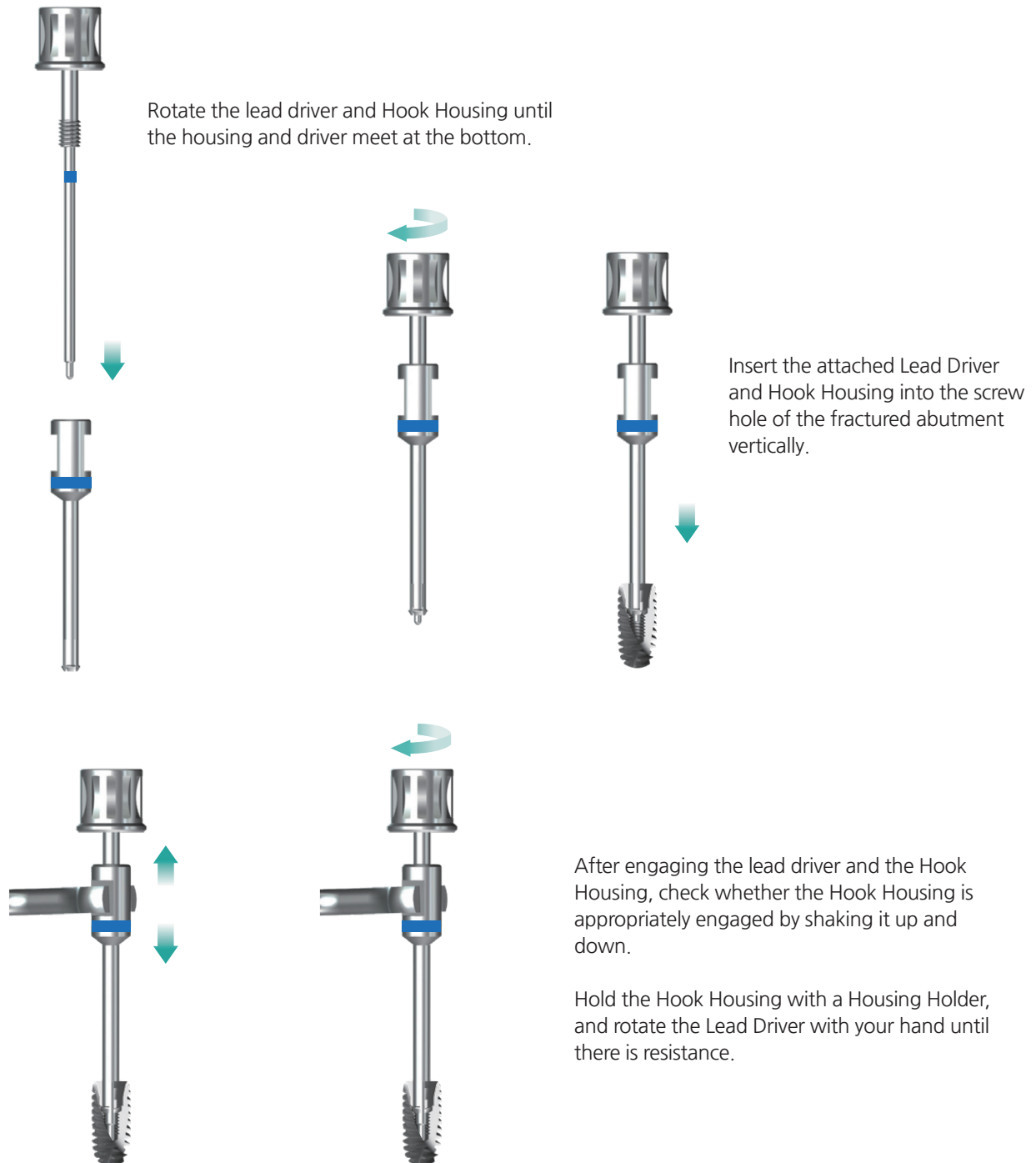


Reverse-rotate the Lead Driver to disengage, gently hold the head of the Hook Housing with hand, and remove it vertically from the abutment.

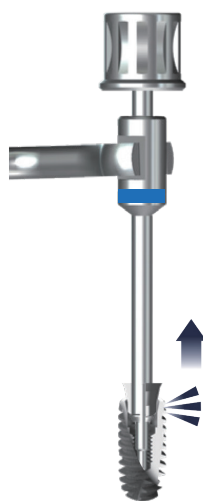
KAR	ESP	WIRE	WISE KIT II	WISE	PM Kit	WPK	WAGA KIT	UT/IU Compact	IUT	IU Stopper Drill	IU Compact	IU Standard	IU Full
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Fractured Abutment Remover

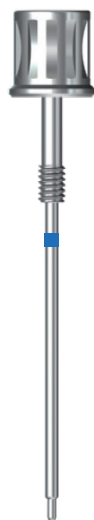
■ Fractured Abutment Remover



Fractured Abutment Remover



Engage the Torque Wrench to the Lead Driver, and rotate it to insert it into the Hook Housing. It will push the bottom of the screw hole of the fixture, disassembling the remaining abutment with a friction-cracking sound.



Reverse-rotate the Lead Driver to disengage, gently hold the head of the Hook Housing with your hand, and remove it vertically from the remaining abutment.

Fractured Abutment Remover

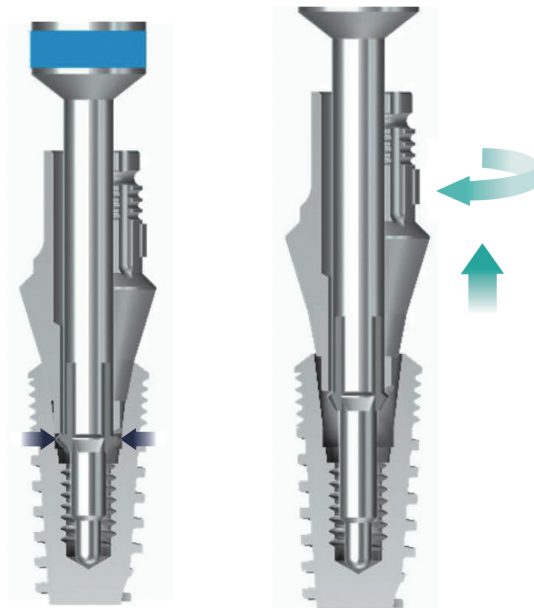


Special Tip

A destructive method when it cannot be removed because of the strong friction:

- Insert the straight bar of the Housing Holder into the abutment and shake it left and right to break the friction.

Operation Principle



Even if the system does not have enough space for the Hook Housing to engage to the bottom part, the Hook Housing will grab the internal wall of the screw hole and remove the abutment.