

Certain[®] and External Hex Screw Removal Tool Kits

Recommended Guidelines



Certain and External Hex Screw Removal Tool Kits

Device Description

Zimmer Biomet Dental Screw Removal Tool Kits facilitate the removal of a broken screw from the internal threads of Certain and External Hex Implants in the unlikely event of a screw fracture below the occlusal surface of the implant.

Contents

The Screw Removal Tool Kits contain:

- (1) Drill Guide Handle
- (1) Manual Reversing Drill
- (1) Screw Removal Extraction Tool
- (1) Waxing Screw/Guide Pin

Ordering Information

Certain Components Kit - ISRT10N

Item No.	ISRT05N	ISRT06N	USRT07	IWSU30
Description	Certain Drill Guide Handle	Certain Screw Removal Extraction Tool	Manual Reversing Drill	Certain Waxing Screw/Guide Pin



External Hex Components Kit - SRT10N

Item No.	SRT05N	SRT06N	USRT07	WSU30
Description	External Hex Drill Guide Handle	External Hex Screw Removal Extraction Tool	Manual Reversing Drill	External Hex Waxing Screw/Guide Pin



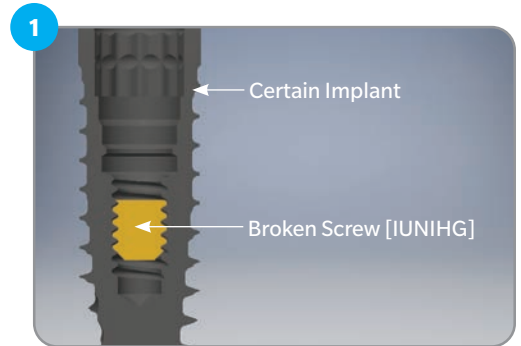
Important Considerations

- The Screw Removal Tools in this document are designed to be used with Zimmer Biomet Dental Certain and External Hex Implants only
- Screw Removal Tools are provided non-sterile
- The Screw Removal Tools are reusable up to 15 uses and require cleaning and sterilization prior to each use. For recommended cleaning and sterilization procedures of Screw Removal Tools, please refer to Cleaning and Sterilization of Biomet 3i Kits and Instruments (P-ZBDINSTRP) available at <http://ifu.biomet3i.com/>
- Screw Removal Tools should be inspected for wear before each use

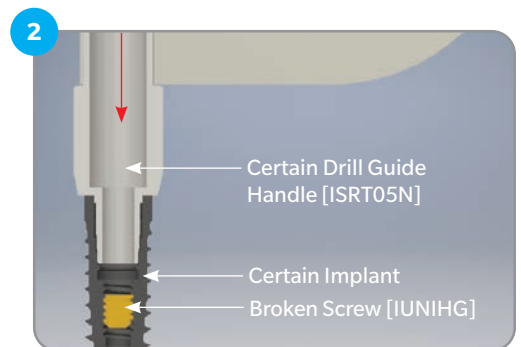
Certain Screw Removal Tools

Directions For Use

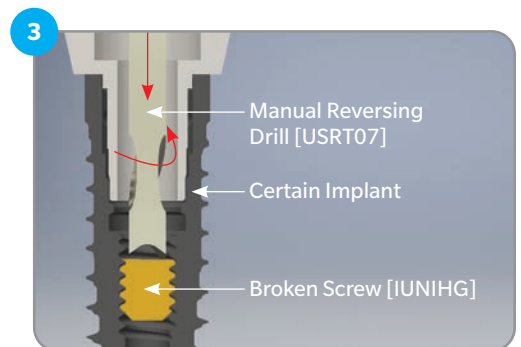
1. Remove abutment and coronal end of broken screw from implant.



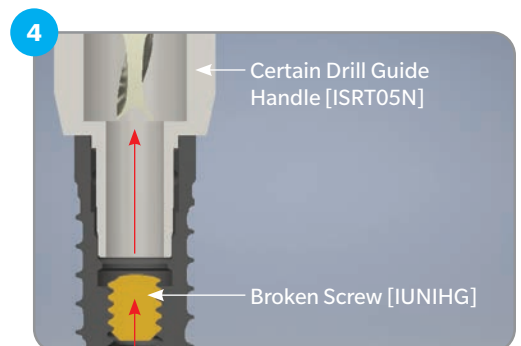
2. Align and insert the Certain Drill Guide Handle [ISRT05N] into the broken screw site. Seat the handle assembly fully on the platform of the implant with the hex aligned.



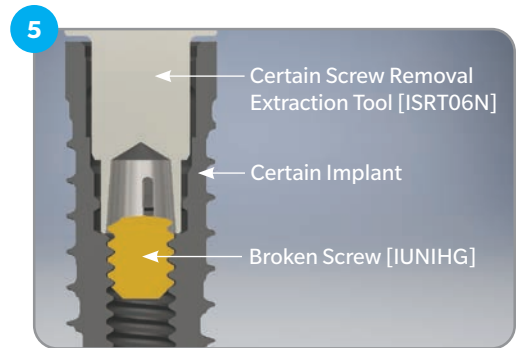
3. Insert the Manual Reversing Drill [USRT07] into the Certain Drill Guide Handle [ISRT05N]. Firmly seat the drill point(s) onto the surface of the broken screw inside the implant. Slowly (with moderate pressure on the screw) turn the Manual Reversing Drill [USRT07] one to two revolutions in the reverse direction (counterclockwise). To help prevent accidental swallowing, thread floss through the floss hole of the reversing drill.



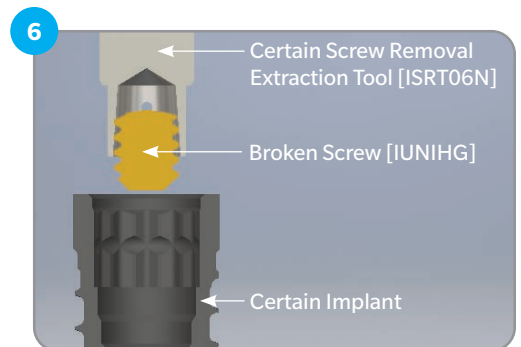
4. Remove the Manual Reversing Drill [USRT07] and then remove the Certain Drill Guide Handle [ISRT05N] from the implant.



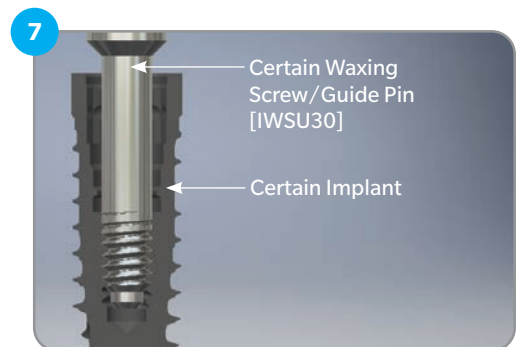
5. Insert the Certain Screw Removal Extraction Tool [ISRT06N] into the implant and seat the tool onto the top portion of the broken screw. Press onto the screw with moderate pressure to engage/capture the screw. Rotate the tool one to two revolutions in the reverse direction (counterclockwise). The screw should release from the implant internal threads. To help prevent accidental swallowing, thread floss through the floss hole of the extraction tool.



6. Remove the Certain Screw Removal Extraction Tool [ISRT06N] from the implant. The fractured screw should remain captured in the [ISRT06N]. The screw can be removed by pulling it out of the tool tip. If the tool fails to catch the screw, repeat steps 2 – 5 until the screw is extracted from the implant.



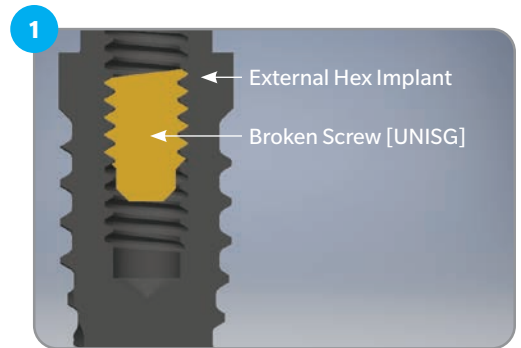
7. After the broken screw has been removed, insert the Certain Waxing Screw/ Guide Pin [IWSU30] to verify the integrity of the internal threads of the implant. If the waxing screw does not rotate easily into the implant, significant thread damage may have occurred to the implant threads and the implant may need to be removed. If the Waxing Screw rotates easily into the implant, you may proceed with placement of the new abutment.



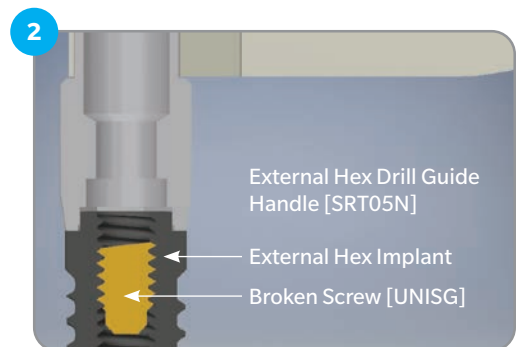
External Hex Screw Removal Tools

Directions For Use

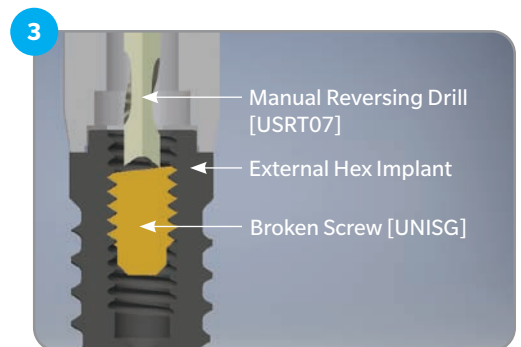
1. Remove abutment and coronal end of broken screw from implant.



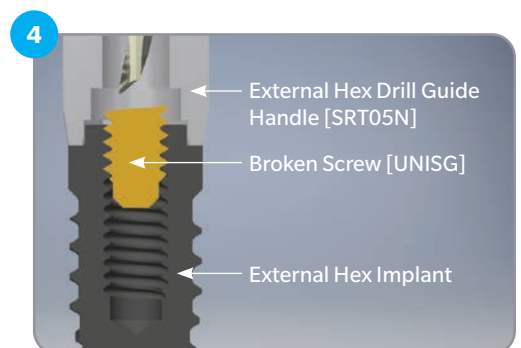
2. Align and insert the External Hex Drill Guide Handle [SRT05N] into the broken screw site. Seat the handle assembly fully on the platform of the implant with the hex aligned.



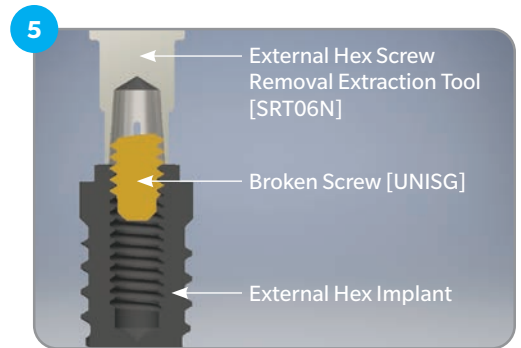
3. Insert the Manual Reversing Drill [USRT07] into the External Hex Drill Guide Handle [SRT05N]. Firmly seat the drill point(s) onto the surface of the broken screw inside the implant. Slowly (with moderate pressure on the screw) turn the Manual Reversing Drill [USRT07] four to five revolutions in the reverse direction (counterclockwise). To help prevent accidental swallowing, thread floss through the floss hole of the reversing drill.



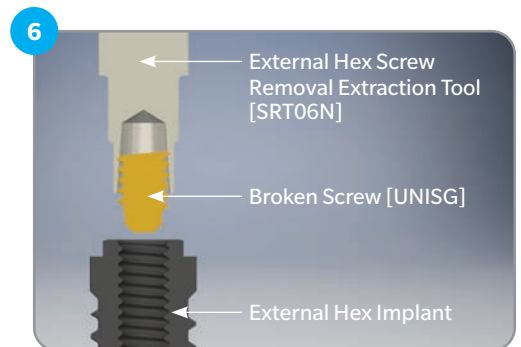
4. Remove the Manual Reversing Drill [USRT07] and then remove the External Hex Drill Guide Handle [SRT05N] from the implant.



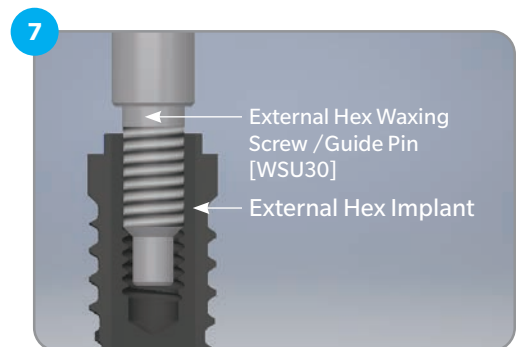
5. Insert the External Hex Screw Removal Extraction Tool [SRT06N] into the implant and seat the tool onto the top portion of the broken screw. Press onto the screw with moderate pressure to engage/capture the screw. Rotate the tool one to two revolutions in the reverse direction (counterclockwise). The screw should release from the implant internal threads. To help prevent accidental swallowing, thread floss through the floss hole of the extraction tool.



6. Remove the External Hex Screw Removal Extraction Tool [SRT06N] from the implant. The fractured screw should remain captured in the [SRT06N]. The screw can be removed by pulling it out of the tool tip. If the tool fails to catch the screw, repeat steps 2 – 5 until the screw is extracted from the implant.



7. After the broken screw has been removed, insert the External Hex Waxing Screw/ Guide Pin [WSU30] to verify the integrity of the internal threads of the implant. If the waxing screw does not rotate easily into the implant, significant thread damage may have occurred to the implant threads and the implant may need to be removed. If the waxing screw rotates easily into the implant, you may proceed with placement of the new abutment.



Disclaimer:

This instrument is not guaranteed to be capable of removing all broken abutment screws and should be used with extreme care. The decision to use this instrument is entirely at the discretion of the practitioner. For technical support or more information please contact Zimmer Biomet Dental at 1-800-342-5454.

Caution: Federal law restricts this device to sale by or on the order of a licensed dentist.



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