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# Removing a broken implant

*Galimplant Trephine Drill Kit  
Instructions for Use*



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Clinical Case  
**Dr. Jesús Pato Mourelo**

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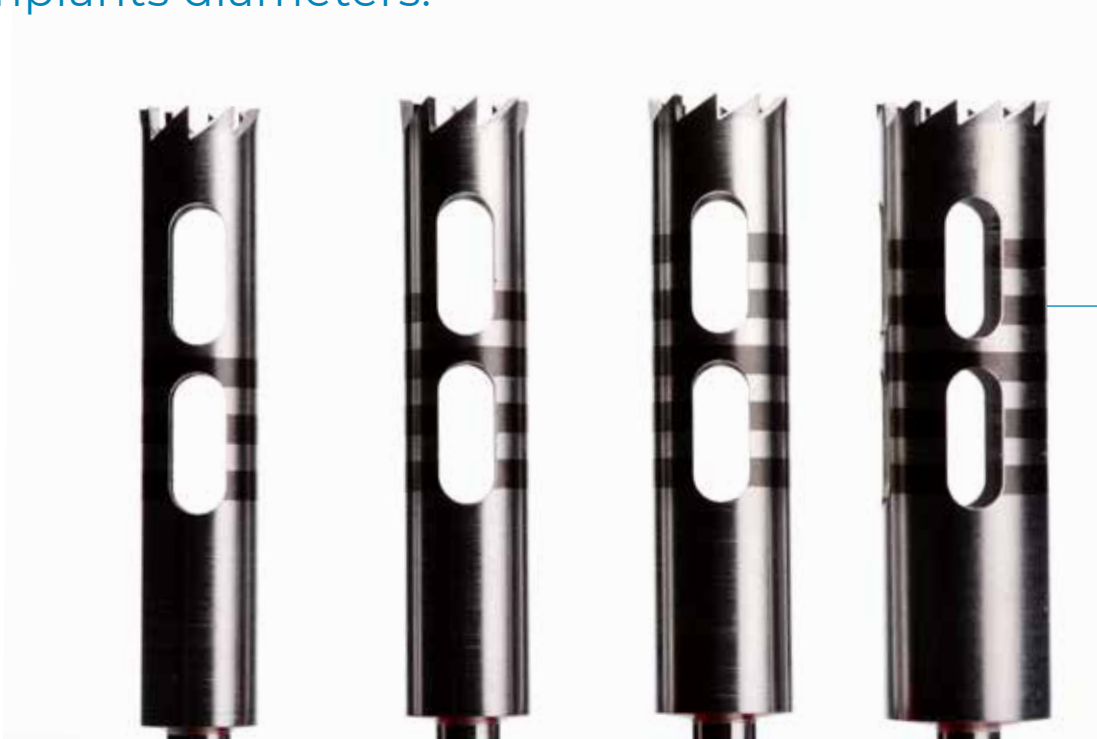
Removing a  
broken implant

## Galimplant Trephine Drill Kit



The **Trephine Drills** are designed for drilling bone outside an implant in order to remove the implant. Trephine Drills are made of stainless steel and can be autoclaved.

The kit contains **4 trephine drills** in accordance with Galimplant implants diameters.



**Trephine drill Ø 5,2 mm**

Designed for Ø 3,2  
Implant diameter

**Trephine drill Ø 4,2 mm**

Designed for Ø 3,5 Implant diameter

**Trephine drill Ø 3,7 mm**

Designed for Ø 4,0 Implant diameter

**Trefina Ø 3,4 mm**

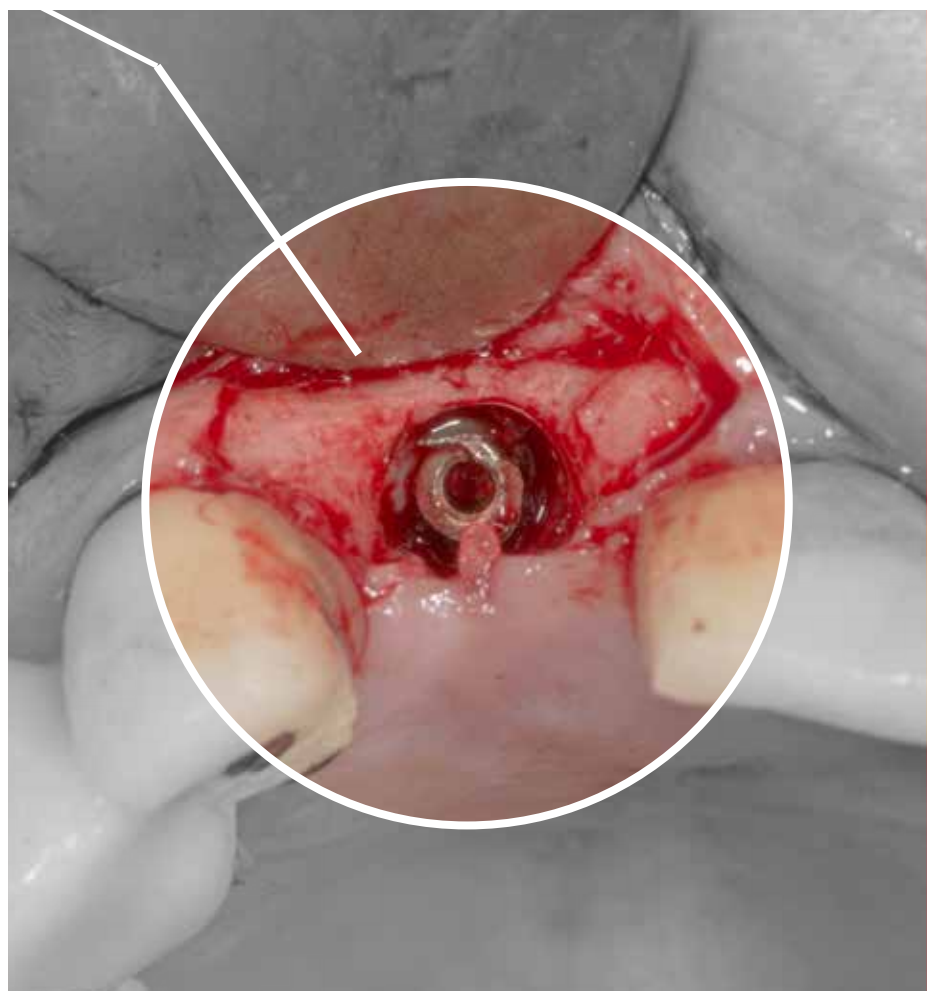
para implante Ø 3,2

## Clinical case: **The problem**

Dental Implant can be broken when:

- Load is **excessive related** to implant diameter.
- **Excessively angled** implant position.
- **Loss of crestal bone**, which causes disinsertion.
- **Length of the abutment is excessive**, applying a lever force over the implant.

*Clinical case with  
broken implant*



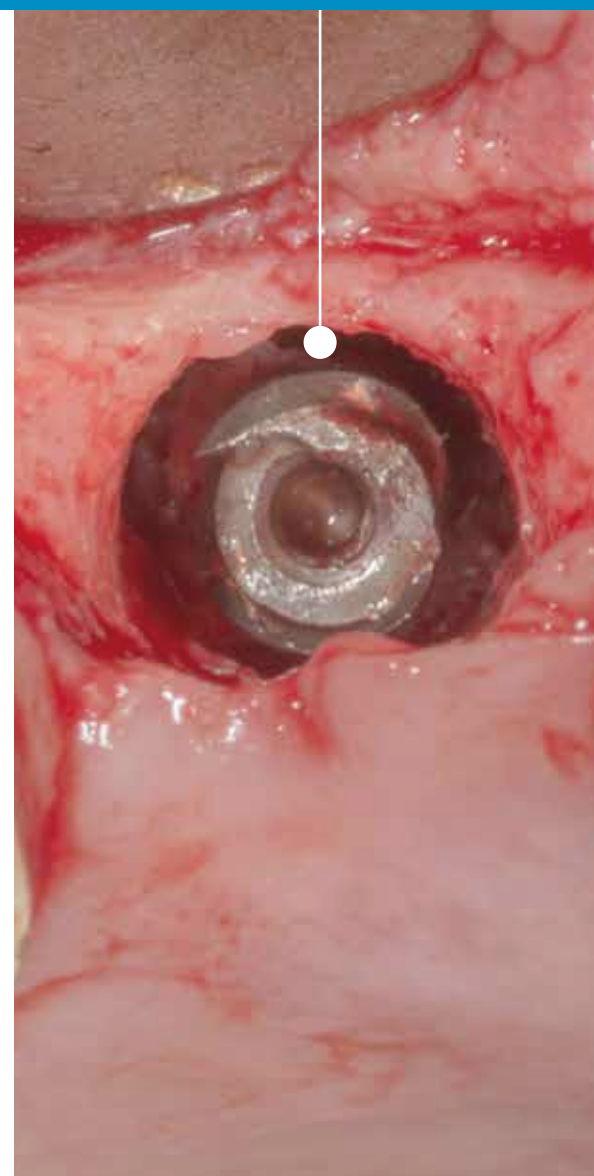
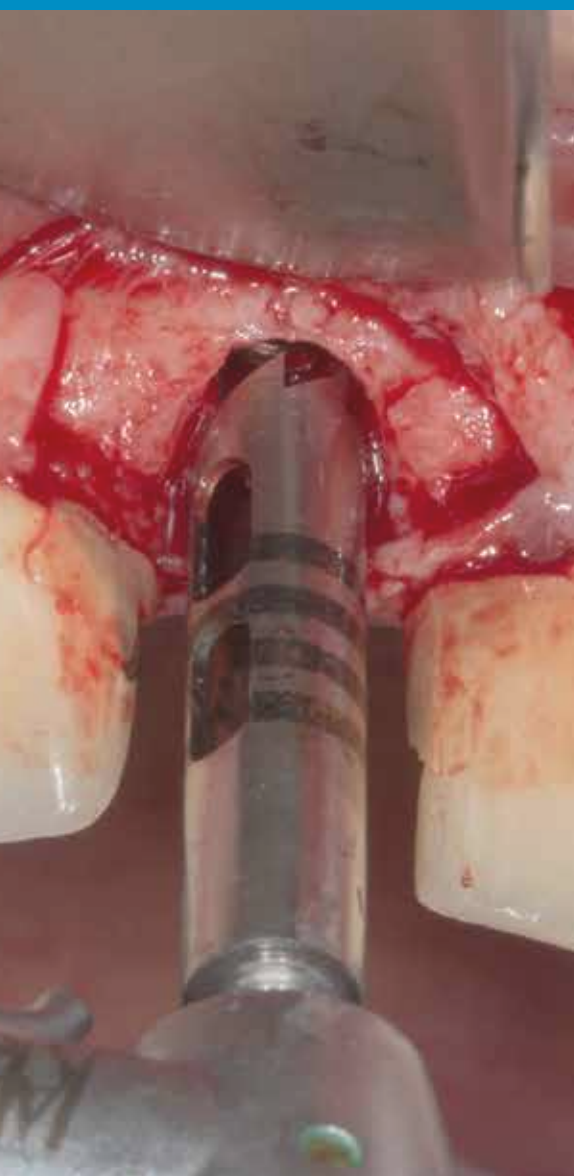
## Clinical case: **The solution**

After check the implant large and diameter select the trephine drill. Drilling process can be with **water at low revolutions**, friction can produce **bone damage or osteonecrosis** due to high temperatures in the process. Trephine drills have **depth marks** as reference.



*Depth marks*

*The drilling depth process should be at least 3/4 of the length of the fragment to be removed.*



## Clinical case: **Procedure and verification**



*Removing and checking the implant integrity.*



# Clinical case: **Reimplantation**

