JD REMOVAL AND REPAIR TOOLS

JD Removal and Repair Tools include implant removal tools, screw removal tools and internal thread repair tools.

The EVIRT is the JDentalCare tool developed to remove implants with internal and external connection.
The screw removal tools consists of EVCD, EVEX1 and EVEX2 and can be used to remove a broken screw from the implant with internal hex connection.

Removal and repair tools:

EVIRT	Implant removal tool
EVCD	Centering device JDEvolution
EVEX1	Claw drill
EVEX2	Reverse cutting drill
EVTR	Iinternal thread repair tool JDevolution

JD REMOVAL AND REPAIR TOOLS

JD IMPLANT REMOVAL TOOL

The implant removal tool EVIRT can be used to remove implants in case of peri-implantitis or when the implant's connection is damaged and the ordinary implant driver cannot be used to extract it.

The EVIRT implant removal tool shall be used by placing the JDTorque in "out" position to start performing counter-clockwise rotations.

The EVIRT implant removal tool has an external hexagon that should be combined with the surgical adapter JDTWA.

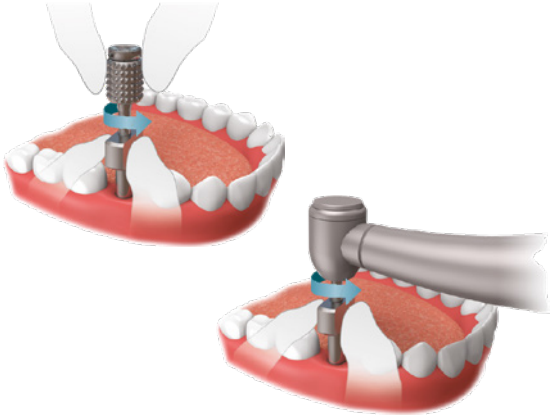
JD SCREW REMOVAL TOOLS

The screw removal tools can be used to remove a broken screw from an implant with an internal hexagonal connection.

Such tools can be used when the prosthetic screw connecting the abutment to the fixture is damaged and cannot be removed with the prosthetic screwdriver.

It is possible to remove a broken screw from an implant if it has not been damaged during a previous removal attempt.

Insert the EVCD Centering device JDEvolution into the implant and try to engage the broken screw with the EVEX1 claw drill mounted on the JDTWAPM manual prosthetic adapter, exerting constant pressure and rotating counter-clockwise.



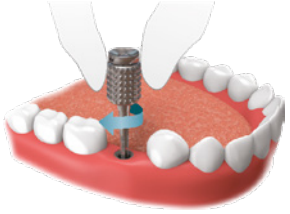
In case the broken screw is locked, place the EVEX1 Claw Drill into the handpiece. Set the handpiece rotation counter-clockwise without ever exceeding the maximum speed of 600 rpm and insist on the broken screw to flatten it. Remove the EVEX1 Claw drill from the handpiece and insert the EVEX2 Reverse cutting drill in its place. Set the rotation of the program counter-clockwise without ever exceeding the maximum speed of 600 rpm. During this operation proceed with plenty of water irrigation.

Place the EVEX2 Reverse cutting drill in the EVCD centering device, start the spindle rotation, hold it for no more than 3 seconds on the broken screw and release it. This will result in the progressive destruction of the broken vine. It is absolutely necessary that the EVCD centering device remains stationary in its position during the entire operation, as if the EVCD moves, the EVEX2 may be subject to breakage. Once the screw is destroyed, any fragment or residue can be removed from the cavity with air, water and/or suction.

JD INTERNAL THREAD REPAIR TOOL

The EVTR Internal Thread Repair tool can be used to repair the internal thread of the system in case it is damaged. It can be used with JDEvolution implants.

The instrument must be mounted in the JDTWAPM manual prosthetic adapter and, after being inserted into the implant to be repaired, it is necessary to proceed with gentle movements rotating clockwise. This instrument is to be used only manually, therefore without recourse to handpiece or contra-angle.



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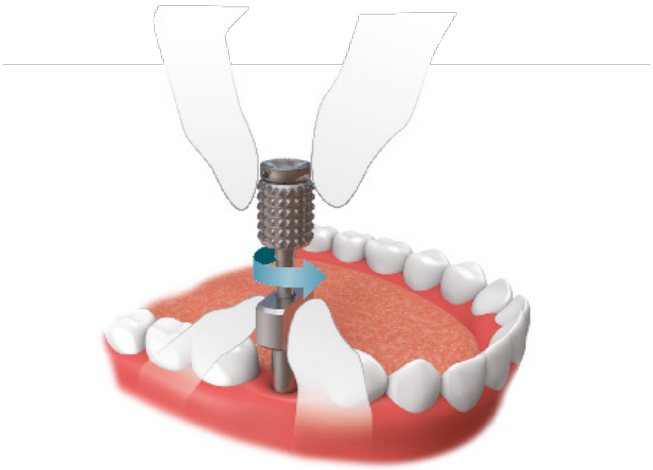
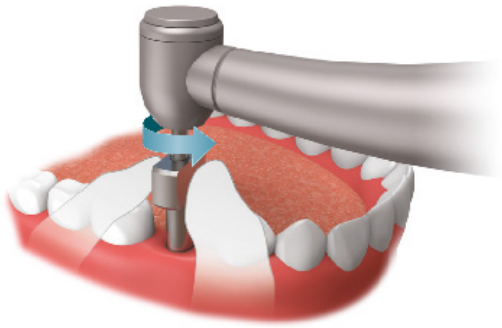
JD SCREW REMOVAL TOOLS





EVCD Centering Device JDEvolution
EVEX1 Claw Drill
EVEX2 Reverse Cutting Drill

The screw removal tools can be used to remove a broken screw from an implant with an internal hexagonal connection.

Such tools can be used when the prosthetic screw connecting the abutment to the fixture is damaged and cannot be removed with the prosthetic screwdriver.

It is possible to remove a broken screw from an implant if it has not been fixed with cement or if it has not been damaged during a previous removal attempt.

Insert the EVCD Centering device JDEvolution into the implant and try to engage the broken screw with the EVEX1 claw drill mounted on the JDTWAPM manual prosthetic adapter, exerting constant pressure and rotating counterclockwise.

In case the broken screw is locked, place the EVEX1 Claw Drill into the handpiece. Set the handpiece rotation counterclockwise without ever exceeding the maximum speed of 600 rpm and insist on the broken screw to flatten it. Remove the EVEX1 Claw drill from the handpiece and insert the EVEX2 Reverse cutting drill in its place. Set the rotation of the program counterclockwise without ever exceeding the maximum speed of 600 rpm. During this operation proceed with plenty of water irrigation.

Place the EVEX2 Reverse cutting drill in the EVCD centering device, start the spindle rotation, hold it for no more than 3 seconds on the broken screw and release it. This will result in the progressive destruction of the broken vine. It is absolutely necessary that the EVCD centering device remains stationary in its position during the entire operation, as if the EVCD moves, the EVEX2 may be subject to breakage. Once the screw is destroyed, any fragment or residue can be removed from the cavity with air, water and/or suction.

JD INTERNAL THREAD REPAIR TOOL

EVTR Internal Thread Repair Tool JDEvolution

The EVTR Internal Thread Repair tool can be used to repair the internal thread of the system in case it is damaged. It can be used with JDEvolution implants.

The instrument must be mounted in the JDTWAPM manual prosthetic adapter and, after being inserted into the implant to be repaired, it is necessary to proceed with gentle movements rotating clockwise.

This instrument is to be used only manually, therefore without recourse to handpiece or contra-angle.

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