



J DENTAL CARE

*just smile*

**JDWELD**

*In unity there is strength*



# JDWeld

JDWeld makes it possible to create a structure by making a series of welds joining the abutments to a titanium connecting bar, thus providing a stable structure for temporary or permanent restorations with immediate or delayed loading.

## Features

- **Safety functions:** automatic detection of open or disconnected clamps, control of weld sequence, galvanic isolation from the mains.
- **Multi-language user menu**
- **Visual indicator and acoustic signal of welding:** steps and operations required to minimise fabric heating.
- **Minimum waiting time between consecutive welds.** Improvement of the success rate of implants inserted with low primary stability.
- **Wide power adjustment range and customisable settings**

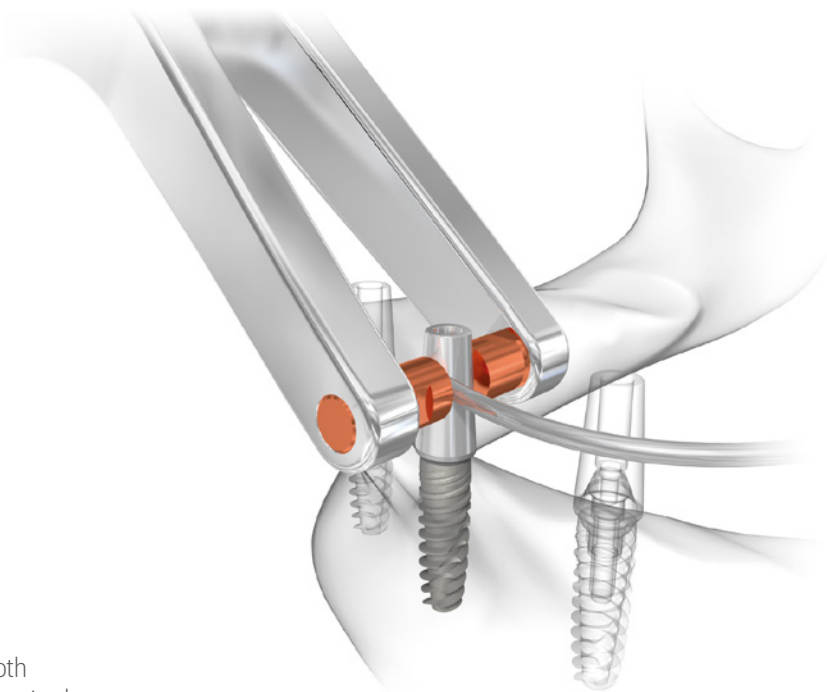


## The JDWeld works by performing resistance spot welding

The JDWeld makes it possible to create a framework from a series of welds which join abutments to a connecting titanium bar. The electric power is concentrated on the contact points between the titanium wire and the abutment, leading to the fusion of the titanium at that point in order to allow the formation of the weld in a very short time (in the order of milliseconds). When used at implant level, these frameworks support extremely reliable temporary restorations, and rigidly stabilize immediately loaded implants, resulting in a dramatic improvement in implant success rates. When used at abutment level, intra oral welding makes it possible to manufacture extremely high quality and durable prosthetics with enormous precision.

This quick and simple procedure is completely risk free for both surgeon and patient. There is absolutely no possibility of excessive heat and the procedure causes no discomfort of any sort to the patient.

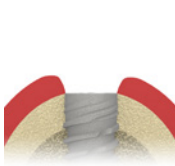
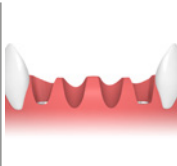
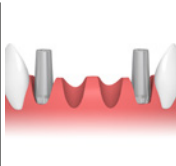
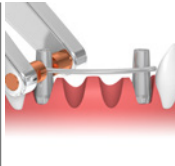
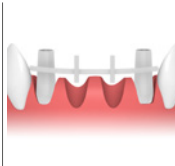
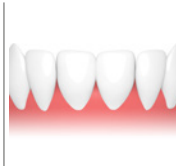
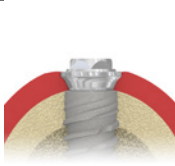
After the intra oral welding, it is possible to make extremely precise abutment impression, thanks to the solid connections between abutments which give immediate stability and precision.



# Compulsory guidelines

- Use only JDWeld unit and dedicated components and bars
- Inter-abutment distance: less than 8mm, use 1.5mm bar more than 8mm & less than 15mm, use 2mm bar
- Cantilever: less than 14mm from abutment centre, weld a double bar (2mm wire) + vertical spur
- Do not segment the main bar - use a single piece of wire
- Correct clamp positioning: tip base parallel to the bar
- During welding, completely release the clamp (do not open)

## Protocols

|                                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|-----------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Temporary restorations on implant level             |  |  |  |  |  |  |  |
| Temporary or durable restorations on abutment level |  |  |  |  |  |  |  |
|                                                     |                                                                                   | 1.<br>Placement of implants                                                       | 2.<br>Placement of dedicated welding abutments                                    | 3.<br>Bending, alignment and intraoral welding of titanium wire                   | 4.<br>Extraorally welded retentions are added to the framework                     | 5.<br>Finalized and opaque coated titanium framework                                | 6.<br>Finished restoration                                                          |

## JDWeld and JDWeld Bars:

|       |                           |
|-------|---------------------------|
| JDW   | Intraoral Welding JD Weld |
| JDW12 | JDWeld Bar Ø 1.2          |
| JDW15 | JDWeld Bar Ø 1.5          |
| JDW20 | JDWeld Bar Ø 2.0          |



## GP Abutments:

|             |                                                 |
|-------------|-------------------------------------------------|
| EVGPA40NEC  | GP Abutment Ø 4.0 Non Engaging JDEvolution      |
| EVGPA50NEC  | GP Abutment Ø 5.0 Non Engaging JDEvolution      |
| EVGPA40NEC: | GP Abutment Non Engaging Ø 4.0 JDEvolution Plus |
| EVGPA50NEC: | GP Abutment Non Engaging Ø 5.0 JDEvolution Plus |

Torque recommended 30 Ncm



## Conical Abutments:

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| EVCATANEWC   | Temporary Abutment Non Engaging Conical Abutment for Welding JDEvolution             |
| EVCATANEWC:  | Temporary Abutment Non Engaging Conical Abutment for Welding JDEvolution Plus        |
| EVCATANEWSC  | Temporary Abutment Non Engaging Conical Abutment Smooth for Welding JDEvolution      |
| EVCATANEWSC: | Temporary Abutment Non Engaging Conical Abutment Smooth for Welding JDEvolution Plus |
| EVCAGPANEWC  | GP Abutment Non Engaging for Conical Abutment JDEvolution                            |
| EVCAGPANEWC: | GP Abutment Non Engaging for Conical Abutment JDEvolution Plus                       |

Torque recommended 30 Ncm



Torque recommended 15 Ncm



