

# CONEXA THE REVOLUTIONARY CONNECTION

## PROSTHETIC SCREW

The only function is to bring in total connection the abutment and the implant.

It is not subjected to loads eliminating the risk of breakage.

## CONICAL CONNECTION "MORSE TAPER 5°"

Cold weld seal

Elimination of micro-movements

Elimination of unscrewing

## PLATFORM SWITCHING

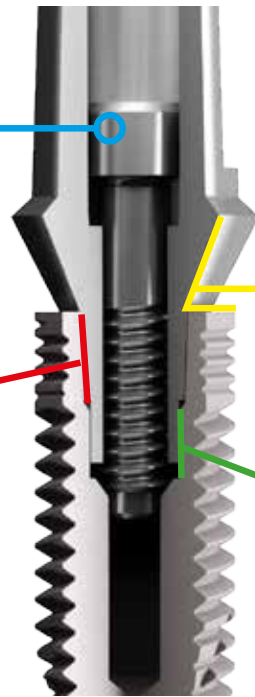
Reduction of bone loss

Long term esthetic stability

Perfect bacterial seal

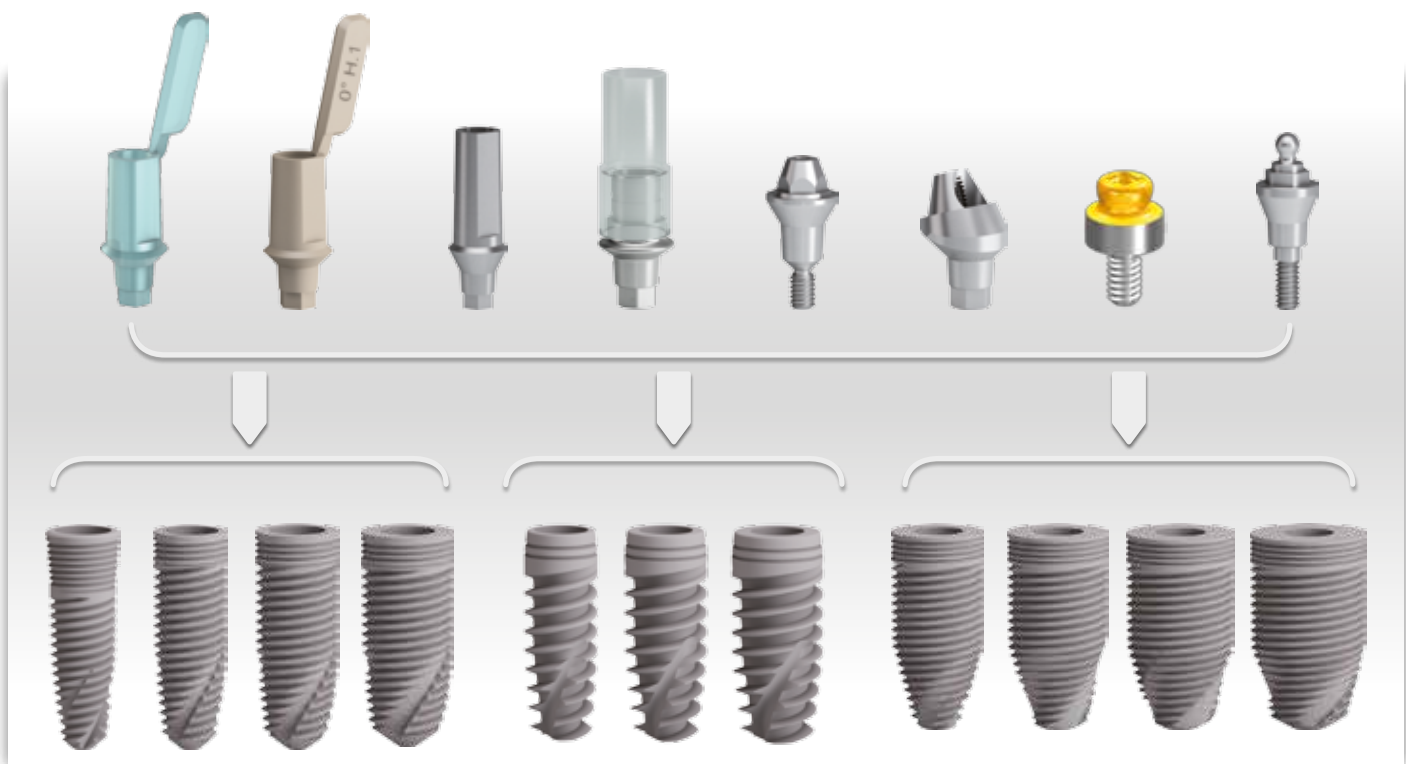
## INTERNAL HEXAGON

The hexagon enhances the resistance to torsional loads and allows an easy transfer of the abutment's position from the laboratory to the dental office.



## UNIQUE PROSTHETIC CONNECTION

Thanks to the unique prosthetic connection (hole diameter 3 mm), the range is compatible with all prosthetic implants 3P, EV and Wide, regardless of the stump or pillar chosen and the diameter of the implant.



## INTERNAL HEXAGON

The internal hexagon enhances the resistance to torsional load and it allows an easy transfer of the abutment's position from the laboratory to the dental office.

## PLATFORM SWITCHING

The concept of the platform switching is aimed to minimize the vertical bone loss by providing different diameters of the platform and the abutment. Therefore the prosthetic connection is moved in the middle of the implant and it is increased the distance between the bone and the abutment. The crestal bone is stabilized at the collar level of the implant and with the healing of the soft tissues, it becomes a perfect bacterial seal.

The clinical advantages of this concept are the following:

- a better emergence esthetic profile thanks to an easier gingival conditioning;
- a better distribution of lateral loads on the crestal area of the implant;
- improvement of a good long-term prognosis.

In particular, the long-term stability of the implant and the abutment is achieved thanks to:

- a better healing of soft connective-mucous tissues;
- a reduction of the loss of crestal peri-implant bone;
- a minimization of the gingival recession.

## MORSE TAPER

The Morse taper ensures a very high mechanical stability as well as an absence of micro movements, a perfect bacterial seal and an optimal distribution of the masticatory load.

The morse taper is a conical connection between two metal pieces, which are considered as male and as female. The inclination must not overcome 5°, because otherwise the mechanical link wouldn't be no more strong. Therefore the friction between the two tapered surfaces, combined with the push applied in the insertion that presses them together, locks the two cones. This locking remains and keeps itself efficient also when the applied insertion force ceases. The Morse effect is shown in Figure 1.

It avoids breakings and unscrewing of the prosthetic screws. A suitable tapering of the cones guarantees the "locking" that will be a safe and natural anti unscrewing system for the prosthetic screws that connects the abutment to the implant. These screws bring to the perfect connection between the surfaces to avoid the strengths that could bring to its breaking.

## UNLOCKING SYSTEM

The morse taper is created by the friction between two conical surfaces (implant and abutment), that combined with the push and pressure applied in the insertion, locks them. The locking can be deleted only using an extractor screw "EXTRACTOR" (Ref. INN-6060).

