

# Atlantis<sup>®</sup> CAD/CAM patient-specific abutments

## Key features

- Atlantis<sup>®</sup> abutments are patient-specific products for cement-, screw-, and attachment-retained implant restorations
- Atlantis<sup>®</sup> abutment BioDesign Matrix featuring:

Virtual Atlantis Design (VAD)	for high precision and a more natural esthetic result
Natural Shape	for optimal support and retention of the final restoration
Soft-tissue Adapt	for optimal support for soft-tissue sculpturing and adaptation to the finished crown
Custom Connect	for strong and stable fit

- Available for all major implant systems comprised in the Atlantis implant compatibility charts, including Ankylos, Astra Tech Implant System and Xive.

## Clinical results

The clinical use of Atlantis abutments has been described in case reports<sup>1-30</sup> and clinical studies<sup>31-51</sup> where esthetic results for titanium<sup>3-12, 18, 34, 35, 37</sup>, gold-shaded titanium<sup>20, 21, 33, 34, 37, 39</sup>, and zirconia<sup>13-17, 32, 35-38, 45-50</sup> abutments are reported. Clinical documentation on the Atlantis abutment reports on re-establishment and maintenance of the papilla<sup>7, 13, 31, 34, 49, 50</sup>, establishment of an optimal soft tissue contour and emergence profile<sup>3, 8, 11, 13</sup>, increased pink esthetic score<sup>48</sup> and patient satisfaction<sup>7, 19, 32, 35</sup>.

## Experimental results

Experimental studies report on different aspects of the Atlantis abutments<sup>52-66</sup>; including ideal fit between abutment and implant<sup>52, 53</sup>, accuracy of fabrication<sup>57</sup>, and ideal fit and retention of copings<sup>54</sup>. Moreover, good mechanical properties, including strength and probability to survive occlusal forces, have been reported for the Atlantis abutment in zirconia<sup>57, 60</sup>.

## Clinical advantages with using Atlantis<sup>®</sup> abutments

Scientific literature on Atlantis customized abutments have shown several clinical advantages such as:

- Reduced chairtime<sup>12</sup>
- Cost-effective and simplified treatment procedures<sup>10</sup>
- Reduced number of impression taking with duplicate abutments<sup>3-5, 11</sup>
- Compatibility and success when combined with several different implant interfaces<sup>50</sup>

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