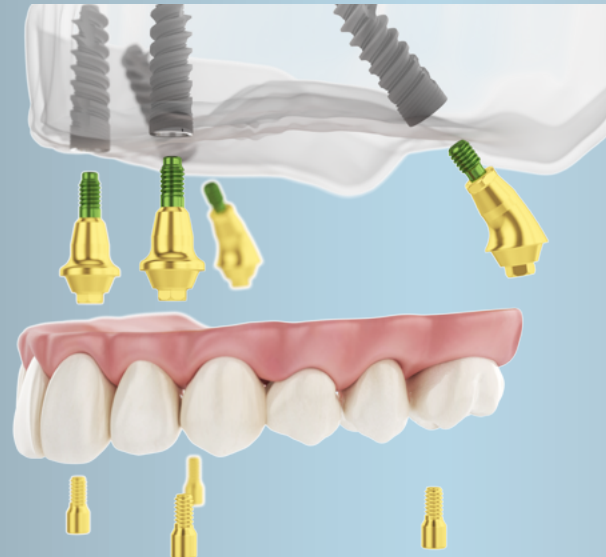


# ALPHA<sup>TM</sup> ARCH

BRIDGING STABILITY, ESTHETICS & CONFIDENCE

## FAQS

### FREQUENTLY ASKED QUESTIONS



#### Q WHAT'S UNIQUE ABOUT THE ALPHA ARCH SOLUTION?

**A** Alpha<sup>TM</sup> Arch is a new-generation Multi-Unit abutment system, offering a comprehensive solution for screw-retained full and partial-arch restorations. It is engineered to enhance stability, esthetics, and clinical confidence, while optimizing workflow efficiency.

Its uniqueness lies in the combination of:

- **Wide restorative versatility** - suitable for complex full-arch and partial-arch cases, where angle correction and screw-retained solutions are required
- **Precision engineering** - improved design for accuracy, predictable seating and optimal fit
- **Optimized tissue management** - concave emergence profile, polished transgingival surface, and gold anodization for improved soft-tissue health and esthetics
- **Prosthetic flexibility** - two diameters, various gingival heights and angulations for tailored clinical solutions

#### Q WHAT DOES THE NEW ALPHA ARCH SYSTEM INCLUDE?

**A** The Alpha Arch solution is designed for **multiple case screw-retained restorations**, and encompasses:

- Ø4.8 mm Standard straight & angled (17° & 30°) Multi Unit Abutments
- Ø3.5 mm Narrow straight Multi Unit Abutments
- A complete prosthetic component system: healing abutments, temporary abutments, casting sleeves, open & closed tray transfers, scan bodies, analogs, and adhesive copings (including Angular Screw Channel options)
- Availability across all Alpha-Bio Tec. implant-abutment connections: **Conical Standard (CS)**, **Conical Narrow (CHC)**, and **Internal Hex (IH)**

#### Q WHAT ARE THE CLINICAL INDICATIONS FOR THE ALPHA ARCH SOLUTION?

**A** Alpha Arch is indicated for screw-retained **full-arch and partial-arch restorations**, especially when **angle correction** is needed, and a retrievable solution is preferred. It is designed for multiple case restorations, streamlining prosthetic workflows, while enhancing stability and esthetics.



## Q WHAT ARE THE CLINICAL INDICATIONS FOR THE Ø3.5 mm MULTI-UNIT ABUTMENTS?

A The Ø3.5 mm narrow concave Multi-Unit Abutments are:

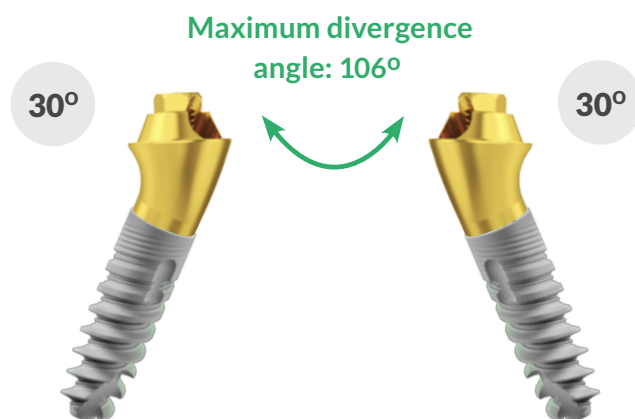
- Especially engineered for tight restorative spaces and limited spaces, such as the lower incisors
- Ideal for esthetic cases for more soft tissue thickness
- Available across all Alpha-Bio Tec. Implant-Abutment connections: Conical Standard (CS), Conical Narrow (CHC) & Internal Hex (IH)

## Q WHAT IS THE MAXIMUM DIVERGENCE ANGLE BETWEEN TWO ADJACENT MULTI-UNIT ABUTMENTS?

A The Alpha Arch Multi-Unit Abutments offers versatile restorative options. The maximum divergence angle between two adjacent tilted implants is 106°.

**Optional divergence angles:**

MULTI-UNIT ABUTMENTS OPTIONS	MULTI-UNIT ANGLE A	MULTI-UNIT ANGLE B	DIVERGENCE ANGLE
Two straight Multi-Unit abutments	0°	0°	46°
Straight multi-unit abutment & 17° angled Multi-Unit abutment	0°	17°	46° + 17°
Two 17° angled Multi-Unit abutments	17°	17°	46° + 34°
17° & 30° angled Multi-Unit abutments	17°	30°	46° + 47°
Two 30° angled Multi-Unit abutments	30°	30°	46° + 60°





## Q WHAT ARE THE MAIN BENEFITS OF USING THE ALPHA ARCH?

A The Alpha Arch solution main benefits are:

- Prosthetic flexibility & versatility
- Predictable & improved esthetics
- Enhanced biomechanical stability
- Simplified & efficient workflow
- Improved soft-tissue preservation and management

## Q HOW SHOULD THE NEW STRAIGHT MULTI-UNIT ABUTMENT BE PLACED?

A The straight Multi-Unit Abutments are placed directly onto the implant platform, as follows:

- Use the handle (supplied with the abutment) to position the Multi-Unit Abutment onto the implant
- Manually tighten the abutment into the correct position\*
- Once the abutment is seated, utilize the straight Multi-Unit driver (Ref. # 5600) to tighten the abutment
- To attach the driver, insert the driver access hole on the handle
- Manually rotate the driver clockwise until the hex is properly positioned, then apply a torque of 30 Ncm
- Remove the driver
- Manually unscrew the handle
- It is recommended to verify the final abutment seating using radiographic imaging

\* **Note:** If the handle has already been removed, use the retriever driver (Ref. #5700) to unscrew or screw the Multi-Unit Abutment.

## Q WHAT SPECIAL TOOLS ARE REQUIRED WHEN FOLLOWING THE ALPHA ARCH WORKFLOW?

- A
- For the initial placement of straight Multi-Unit Abutments, use the straight MUA driver, Ref. # 5600
  - To retrieve a Multi-Unit Abutment, use the retriever driver, Ref. # 5700
  - For angled Multi-Unit Abutments, use the 1.25 mm prosthetic drivers



## Q WHAT ARE THE KEY DIFFERENCES BETWEEN THE ALPHA ARCH SOLUTION AND ALPHA-BIO TEC'S CLASSIC (LEGACY) MULTI-UNIT SYSTEM?

- A**
- One-piece concave Multi-Unit Abutments
  - Gold anodization for improved gingival esthetics
  - New platform diameters: Ø3.5 mm (narrow) and Ø4.8 mm (standard)
  - New handle for enhanced ease-of-use
  - Improved design for greater accuracy of impression coping and scan body placement
  - New adhesive coping design with customizable height options

## Q WHAT ARE THE ADVANTAGES OF THE ALPHA ARCH COMPONENTS' NEW DESIGN?

- A**
- ✓ **OPTIMIZED SOFT TISSUE MANAGEMENT**
    - Concave emergence profile supports soft tissue volume and stability
    - Polished transgingival surface reduces plaque retention
  - ✓ **SURGICAL FLEXIBILITY & BONE PRESERVATION**
    - Allows subcrestal placement up to 1.5 mm, in most cases without bone profiling
    - Facilitates prosthetic platform correction at bone level
  - ✓ **PROSTHETIC PRECISION & ESTHETICS**
    - Gold anodization minimizes grey-shine through thin gingiva
    - Platform-switching design helps to maintain crestal bone and soft tissue levels
  - ✓ **PROSTHETIC FLEXIBILITY**
    - Wide range of gingival heights, diameters, and angulations
    - Narrow Ø3.5 mm platform, ideal for limited-space restorations
  - ✓ **WORKFLOW INTEGRATION**
    - Fully compatible with digital CAD/CAM workflows
    - Universal subgingival design compatible with Alpha-Bio Tec's Conipro Complete™ Solution



## Q WHAT DIFFERENTIATES THE ALPHA ARCH FROM OTHER SYSTEMS AVAILABLE ON THE DENTAL MARKET?

A The Alpha Arch solution is designed to support full and partial arch restorations, offering dental professionals versatile screw-retained restorative options across a wide range of cases.

- **Improved biomechanics** - Passive framework fit, reduced mechanical stress
- **Long-term stability** - Supports immediate loading protocols
- **Cost-effective** - Suitable for both temporary and final restorations
- **Retrievable** - Screw-retained design allows maintenance and repair
- **Cross-compatibility** - Ø4.8 mm Alpha Arch is compatible with Nobel Biocare's Multi-Unit prosthetic line, enabling restorative flexibility


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 ALPHA ARCH CATALOG



 ALPHA ARCH STEP BY STEP  
INSTRUCTIONAL GUIDE



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