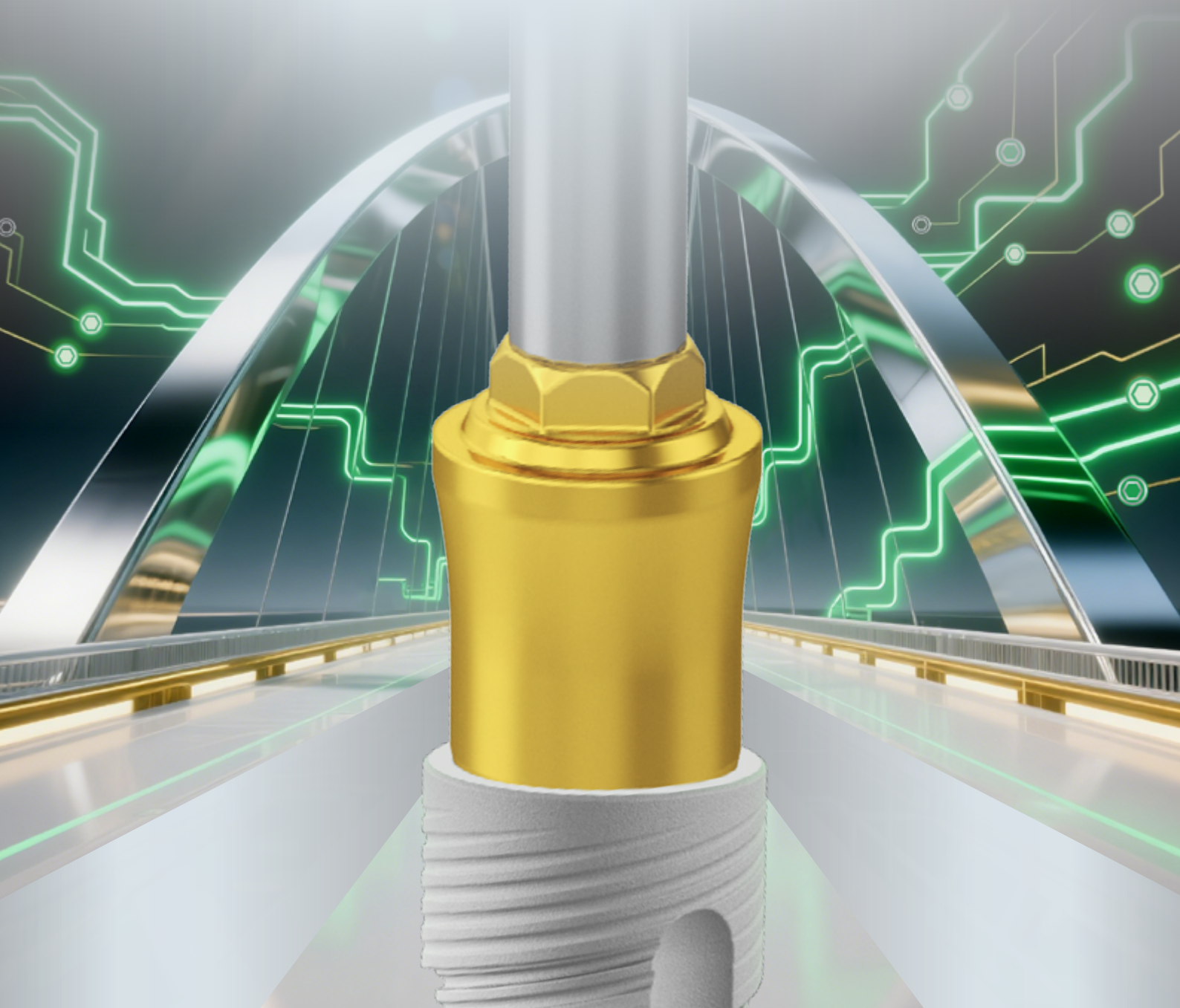


ALPHATM ARCH

BRIDGING STABILITY, ESTHETICS & CONFIDENCE



THE NEXT LEVEL
IN PRECISION & RELIABILITY

 **AlphaBio**^{TEC}
Simplantology

ALPHA™ ARCH

BRIDGING STABILITY,
ESTHETICS & CONFIDENCE



Alpha™ Arch is a comprehensive solution for full and partial arch restorations—amplifying stability, esthetics & clinical confidence. It represents a clinical philosophy that integrates biomechanics, esthetic excellence, workflow efficiency, and long-term predictability.

Tailored to meet the highest standards of modern implant dentistry, Alpha Arch enhances esthetics, durability, ease of use, and soft tissue management. Engineered for precision and a secure fit, it empowers clinicians to achieve outstanding, predictable, long-term esthetic results and creates smiles with confidence!

CLINICAL BENEFITS



Prosthetic flexibility
& versatility



Predictable & improved
esthetics



Simplified & efficient
workflow



Improved tissue
stability

ELEVATING PERFORMANCE INSPIRED BY HUMAN POTENTIAL



CLINICAL INDICATIONS

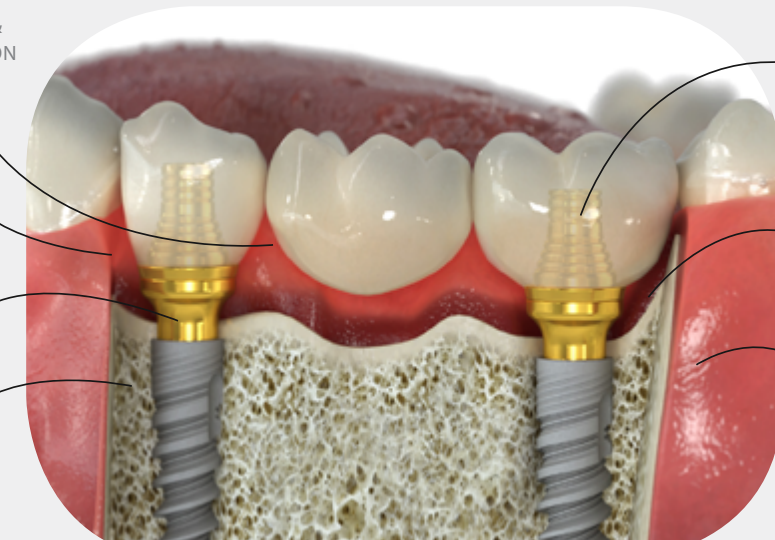
Full & partial implant-supported bridges

ENHANCED HANDLING &
WORKFLOW INTEGRATION

OPTIMIZED SOFT
TISSUE MANAGEMENT

BROAD RANGE OF
GINGIVAL HEIGHTS
OPTIONS FOR
CUSTOMIZATION

SURGICAL FLEXIBILITY
& BONE PRESERVATION

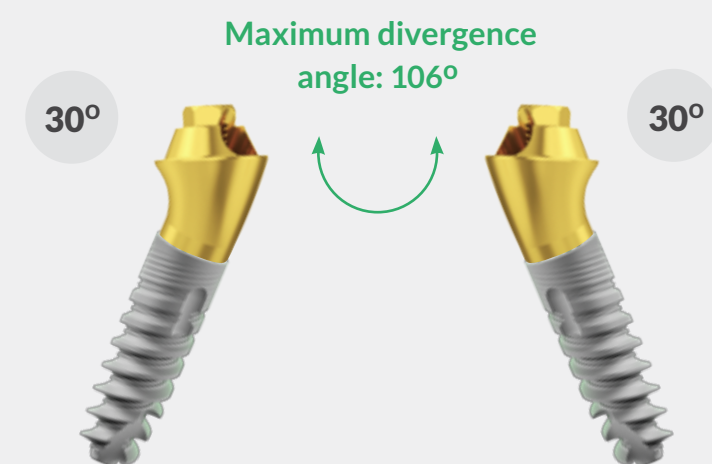


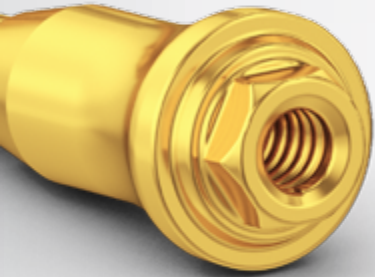
COMPATIBILITY WITH NOBEL
BIOCARE MULTI-UNIT
PROSTHETICS (FOR THE 4.8MM
SYSTEM COMPONENTS)

IMPROVED BIOMECHANICS
& LONG-TERM STABILITY

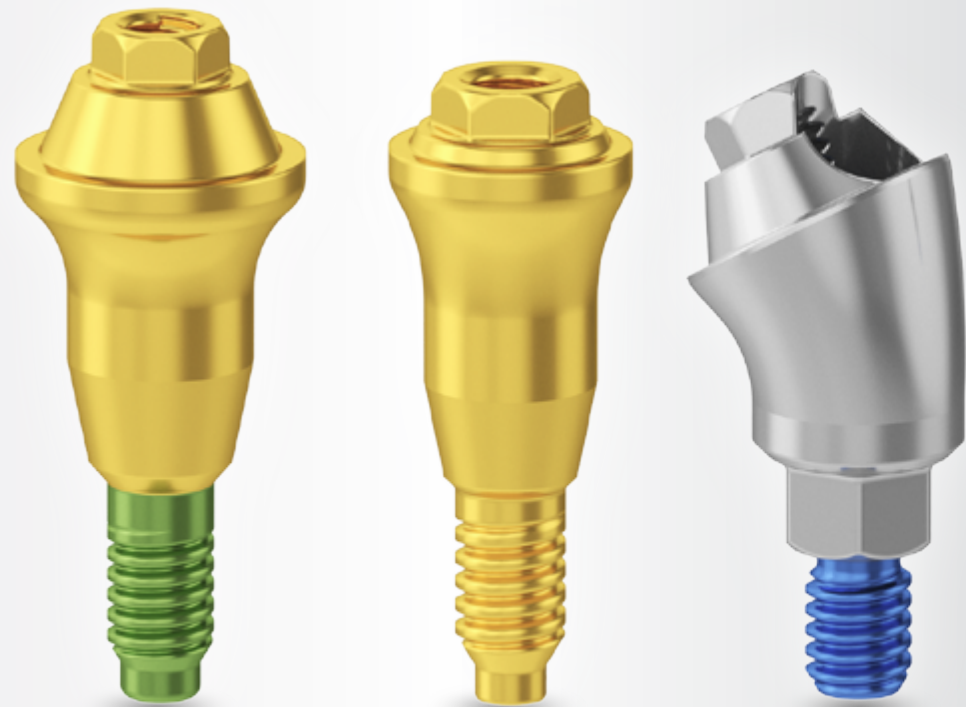
PROSTHETIC PRECISION
& ESTHETICS

ALPHA ARCH DIVERGENCE ANGLE





AVAILABLE IMPLANT-ABUTMENT CONNECTIONS



COLOR-CODED SCREWS FOR EASY IDENTIFICATION

CS - Anodized green screw CHC - Anodized gold screw IH - Anodized blue screw

NARROW CONCAVE EMERGENCE PROFILE

- Enhanced soft tissue management and improved esthetics
- Enables subcrestal placement

PROSTHETIC COMPATIBILITY

- Same prosthetic components across all implant-abutment connections

GOLD ANODIZED BODY

- Improved esthetics and a more natural appearance

- Standard Ø4.8 mm abutment compatible with commonly used Multi-Unit prosthetic components

AVAILABLE DIAMETERS



- Available heights: 1.5 mm, 2.5 mm, 3.5 mm
- Versatile treatment options

WIDE RANGE OF GINGIVAL HEIGHTS



- Available heights: 1.5 mm, 2.5 mm, 3.5 mm, 4.5 mm & 5.5 mm
- Versatile treatment options

- **NEW!** Narrow Ø3.5 mm abutment suitable for limited spaces and tight restorative areas

- Standard Ø4.8 mm abutment compatible with commonly used Multi-Unit prosthetic components



NEW HANDLE

- For Ease-of use

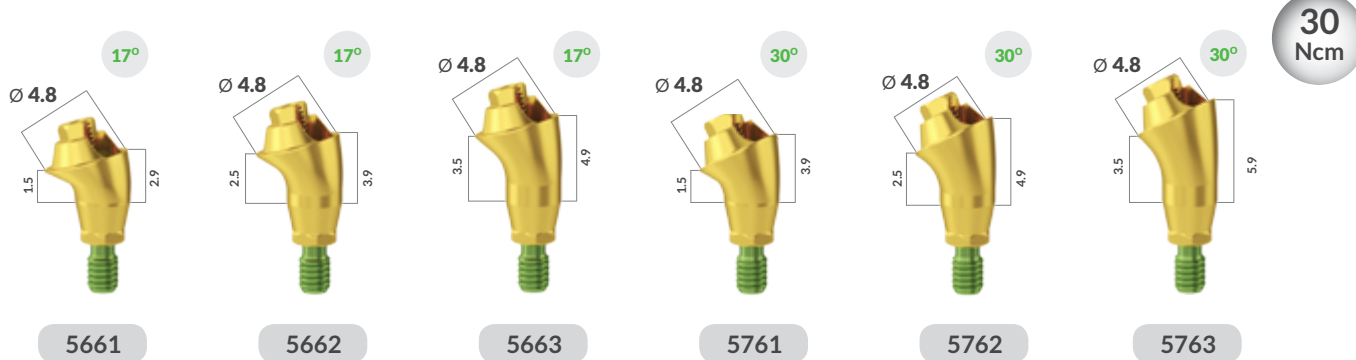
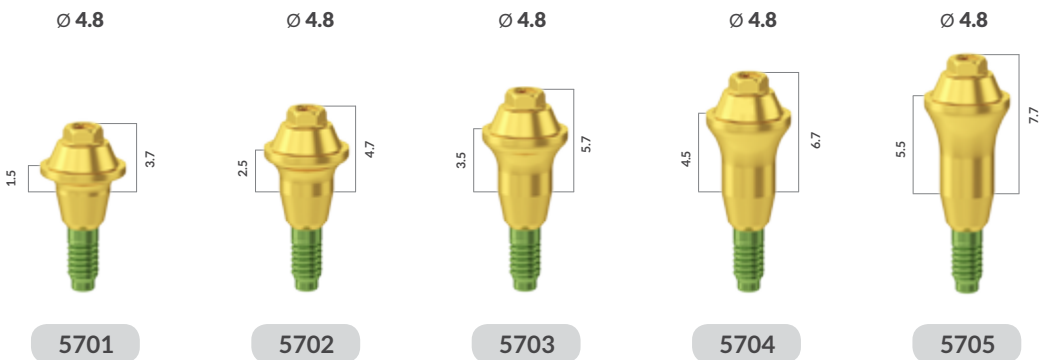


Ø 4.8 mm STANDARD STRAIGHT MULTI-UNIT ABUTMENTS

Ø 4.8 mm STANDARD ANGLED MULTI-UNIT ABUTMENTS

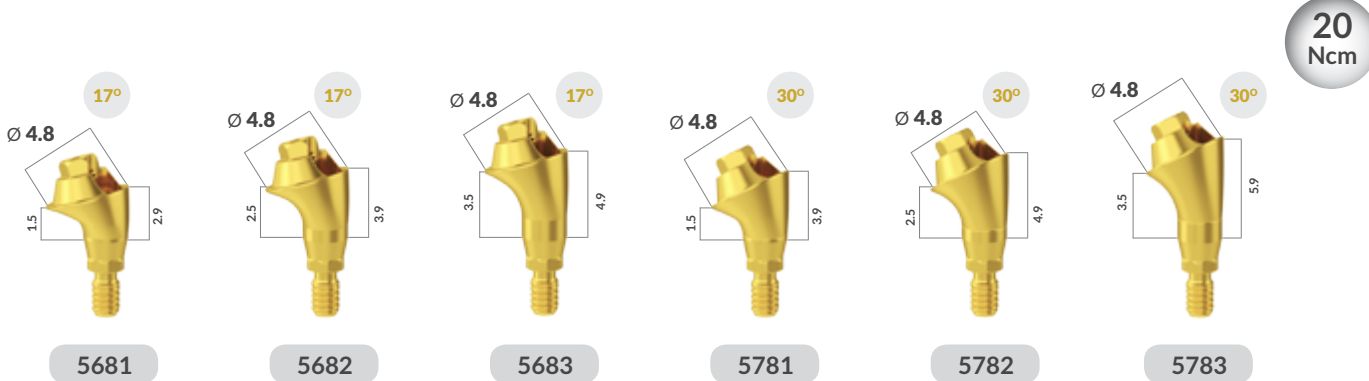
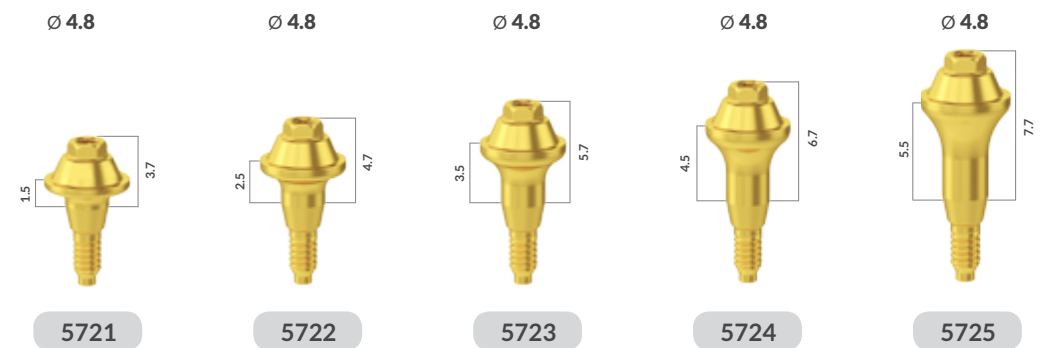
30 Ncm

Conical Standard Connection (CS)



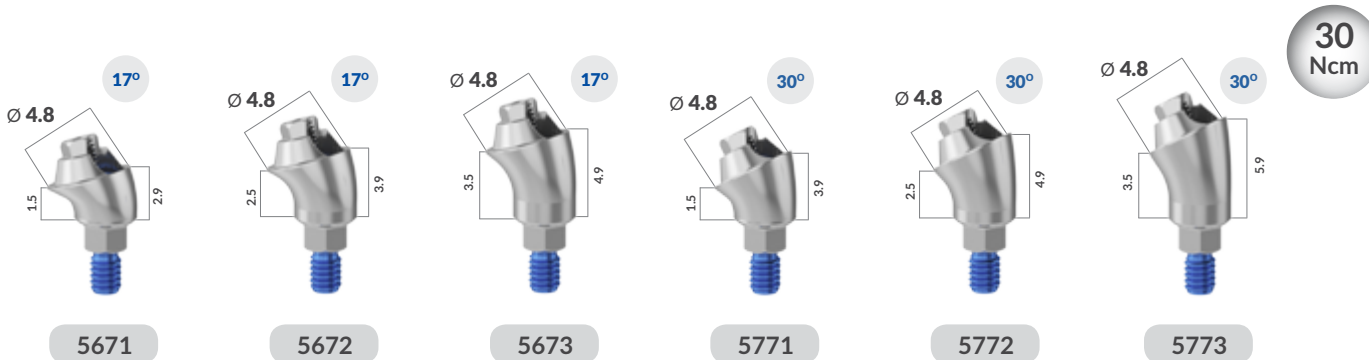
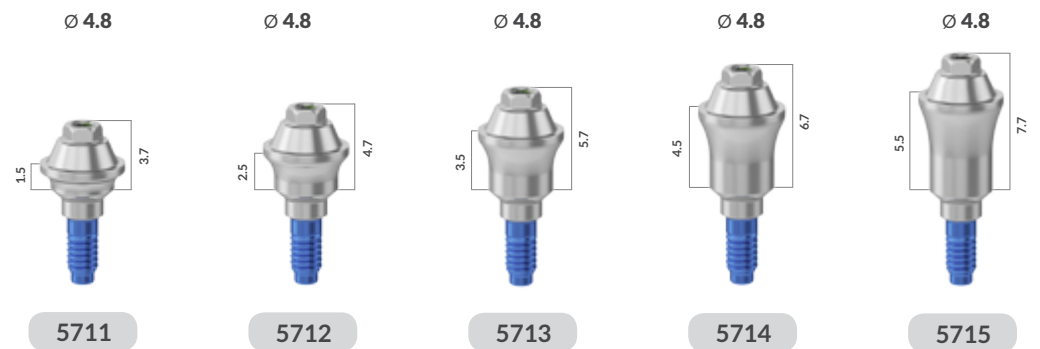
30 Ncm

Conical Narrow Connection (CHC)



30 Ncm

Internal Hex Connection (IH)



Multi-Unit Drivers & Prosthetic Screw

* Both Drivers & prosthetic screw are suitable for standard (Ø 4.8 mm) & narrow (Ø3.5 mm) Multi-Unit Systems

STRAIGHT DRIVER

5600

RETRIEVER DRIVER

5700

PROSTHETIC SCREW

5610

TECHNICAL INFORMATION:

Material: Titanium | Drivers - Sandvik

Required Drivers:

- For the Straight Multi-Unit Abutments, use the Straight Driver (Ref.# 5600) & Retriever Drivers (Ref.# 5700)
- For the Angled Multi-Unit Abutments, please use the 1.25 mm prosthetics drivers

Recommended Tightening Torque:

- Straight Multi-Unit Abutments - 30 Ncm
- Angled CS & IH Multi-Unit Abutments - 30 Ncm
- Angled CHC Multi-Unit Abutments - 20 Ncm

• All Ø4.8 mm Multi-Unit Abutments are compatible with Nobel Biocare Multi-Unit Prosthetics

Ø4.8 mm MULTI-UNIT PROSTHETIC COMPONENTS

HEALING ABUTMENTS

Ø 5.1



5741



Ø 5.1



5742

TEMPORARY ABUTMENT

Ø 4.8



5748

20 Ncm

CASTING SLEEVE

Ø 4.8



5749

OPEN TRAY TRANSFER

Ø 5.5



5743



CLOSED TRAY TRANSFER

Ø 4.8



5747

TRZ SCAN BODY

Ø 6



5740



ANALOG

Ø 4.8



5744

DIGITAL ANALOG

Ø 4.8



5750

ADHESIVE COPING

Ø 5.1



5746

20 Ncm

TECHNICAL INFORMATION:

Material: Titanium | Drivers - Sandvik | TRZ Scan Body - PEEK

Recommended Tightening Torque:

- Straight Multi Unit Abutments - 30 Ncm
- Healing Caps, Open & Closed Tray Transfers & Scan Body - 10 Ncm or manual tightening
- Temporary Abutment - 20 Ncm

Required Drivers:

- Straight Driver (Ref. # 5600) and Retriever Driver (Ref.# 5700)

ALPHA ARCH

PUSHING THE LIMITS OF HUMAN CAPABILITIES



SCAN THE QR CODES FOR:
ALPHA ARCH INSTRUCTIONAL
GUIDE STEP BY STEP



Ø 3.5 mm NARROW STRAIGHT MULTI-UNIT ABUTMENTS

Ø 3.5 mm MULTI-UNIT PROSTHETIC COMPONENTS

30 Ncm

Conical Standard Connection (CS)

Ø 3.5

1.53.7

5601

Ø 3.5

2.54.7

5602

Ø 3.5

3.55.7

5603

Ø 3.5

4.56.7

5604

Ø 3.5

5.57.7

5605

HEALING ABUTMENTS

Ø 3.9

4

5641

MANUAL TIGHTENING 10 Ncm

Ø 3.9

6

5642

TEMPORARY ABUTMENT

Ø 3.5

12

5648

20 Ncm

Ø 3.5

12

5649

30 Ncm

Conical Narrow Connection (CHC)

Ø 3.5

1.53.7

5621

Ø 3.5

2.54.7

5622

Ø 3.5

3.55.7

5623

Ø 3.5

4.56.7

5624

Ø 3.5

5.57.7

5625

OPEN TRAY TRANSFER

Ø 5.2

9

5643

MANUAL TIGHTENING 10 Ncm

Ø 3.5

8

5647

CLOSED TRAY TRANSFER

Ø 6

10

5640

MANUAL TIGHTENING 10 Ncm

Ø 3.5

12

5648

30 Ncm

Internal Hex Connection (IH)

Ø 3.5

1.53.7

5611

Ø 3.5

2.54.7

5612

Ø 3.5

3.55.7

5613

Ø 3.5

4.56.7

5614

Ø 3.5

5.57.7

5615

ANALOG

Ø 3.5

13

5644

DIGITAL ANALOG

Ø 3.5

13

5650

ADHESIVE COPING

Ø 3.9

7

5646

20 Ncm

Ø 3.9

5

5646

Multi-Unit Drivers & Prosthetic Screw

* Both Drivers & prosthetic screw are suitable for standard (4.8mm) & narrow (3.5mm) Multi-Unit Systems

STRAIGHT DRIVER

6.35

1611.50

5600

RETRIEVER DRIVER

6.35

2011.516

5700

PROSTHETIC SCREW

Ø 1.9

4.5

5610

TECHNICAL INFORMATION:

Material: Titanium | Drivers - Sandvik | TRZ Scan Body - PEEK

Recommended Tightening Torque:

- Straight Multi Unit Abutments - 30 Ncm
- Healing Caps, Open & Closed Tray Transfers & Scan Body - 10 Ncm or manual tightening
- Temporary Abutment - 20 Ncm

Required Drivers:

- Straight Driver (Ref. # 5600) and Retriever Driver (Ref.# 5700)

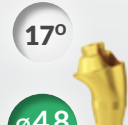
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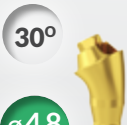
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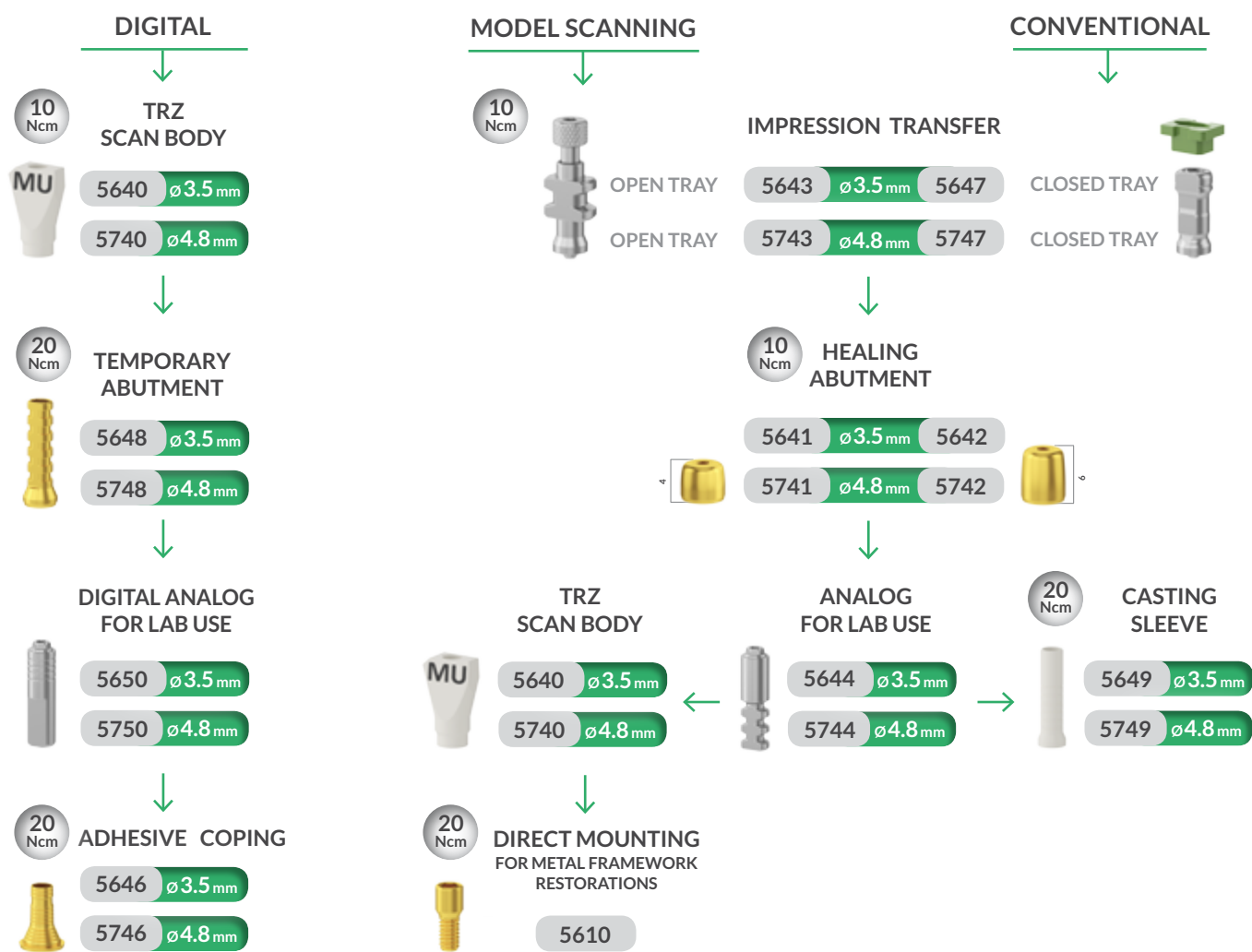
ALPHA ARCH WORKFLOW

	Gingival Height	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
	CS	5701	5702	5703	5704	5705
	CHC	5721	5722	5723	5724	5725
	IH	5711	5712	5713	5714	5715

	Gingival Height	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
	CS	5601	5602	5603	5604	5605
	CHC	5621	5622	5623	5624	5625
	IH	5611	5612	5613	5614	5615

	Gingival Height	1.5 mm	2.5 mm	3.5 mm
	CS	5661	5662	5663
	CHC	5681	5682	5683
	IH	5671	5672	5673

	Gingival Height	1.5 mm	2.5 mm	3.5 mm
	CS	5761	5762	5763
	CHC	5781	5782	5783
	IH	5771	5772	5773



DRIVERS & ACCESSORIES



ALPHA ARCH

SHAPING THE FUTURE
OF RESTORATIVE EXCELLENCE
ONE ARCH AT A TIME



ALPHATM ARCH

BRIDGING STABILITY, ESTHETICS & CONFIDENCE



995-9563 R1 9/2025



SCAN THE QR CODES FOR:



ALPHA ARCH INSTRUCTIONAL
GUIDE STEP BY STEP



ALPHA ARCH FAQs



DIGITAL LIBRARIES
FOR CAD/CAM SYSTEMS



Alpha-Bio Tec's products are CE-marked in accordance with the EU Medical Device Regulation MDR 2017/745 of 5 April 2017. Alpha-Bio Tec's complies with EN ISO 13485:2016. Product availability may vary between countries. The Alpha Arch Solution components are intended for use by qualified dental professionals only. Use as directed on the e-IFU. Professional discretion is advised.

www.alpha-bio.net