Full Arch Treatment

Multi Abutment

Multi Abutment

Multi Angled Abutment

HiOSSEN
IMPLANT

Multi Abutment

Maximize your practice's potential with the Multi Abutment's exceptional clinical adaptibility. This groundbreaking solution ensures a superior outcome, by overcoming the limitations of full arch treatments. Elevate your practice by incorporating the the Multi Abutment, the ultimate solution to enhance your capabilities.

Multi Abutment

Multi Angled Abutment

17°   30°
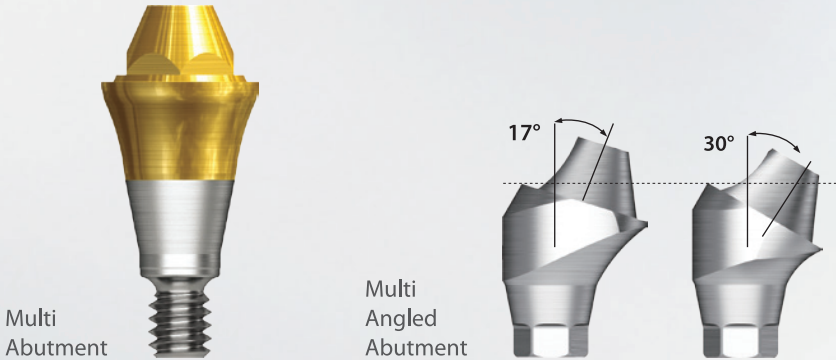
Case
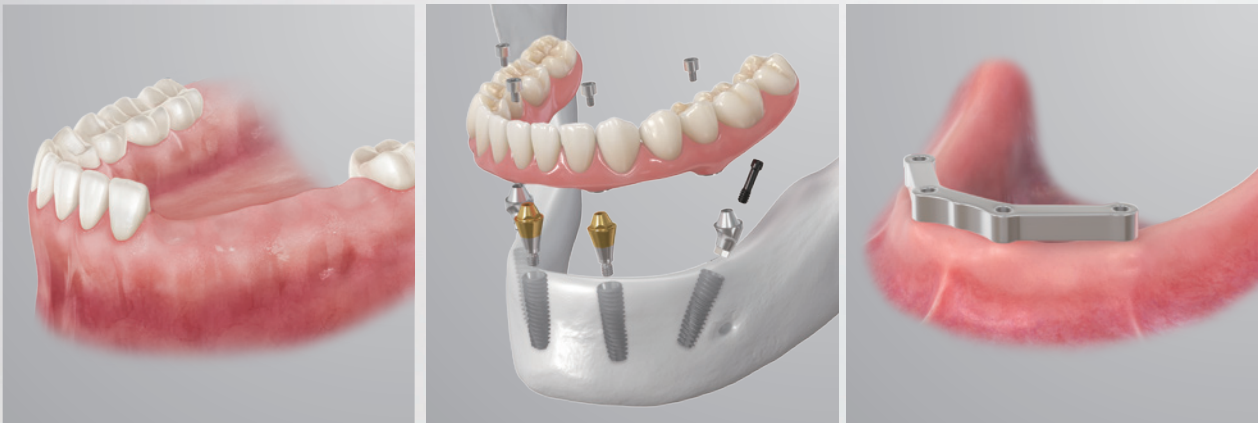
Bridge

Fixed full denture

Bar with removable full denture

The concept of
Full-arch treatment

The full-arch treatment option offers the opportunity to craft extensive dental restorations with minimal implant placement, resulting in reduced costs and shorter treatment times.

The selection of an implant system can be customized to align with the surgical plan. Moreover, the use of components such as the Multi Abutment and Multi Angled Abutment provides flexibility, allowing for a range of customized restoration options tailored to each unique case.

Furthermore, advanced digital libraries and CAD/CAM technology streamline the fabrication of diverse restorations.
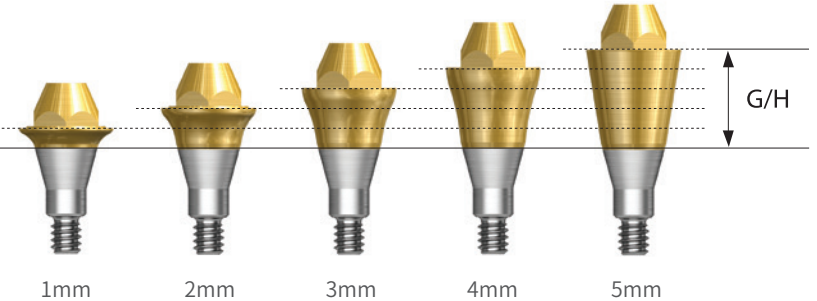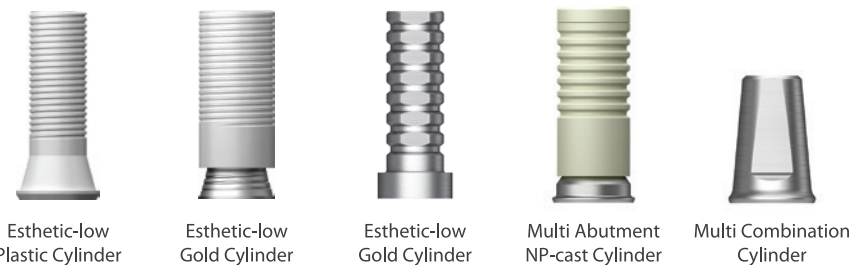
Multi Abutment

Gingival Heights

• A range of gingival heights, from 1mm to 5mm, are available.

1mm   2mm   3mm   4mm   5mm

G/H

Combination Options

• For each case, a wide range of prosthetic components and cylinders can be utilized, offering numerous options for various types of prosthetic restoration.


Esthetic-low Plastic Cylinder

Esthetic-low Gold Cylinder

Esthetic-low Gold Cylinder

Multi Abutment NP-cast Cylinder

Multi Combination Cylinder

• The Multi Abutment is attached to an internal submerged implant, which operates at its optimal performance.

Internal

Multi Angled Abutment

Two Angulation Options

• The Multi Abutment provides two angle options, 17 degrees and 30 degrees, serving as compensation angles for implants implanted during the prosthetic engagement stage. This versatility enables it to address a wide spectrum of clinical cases.
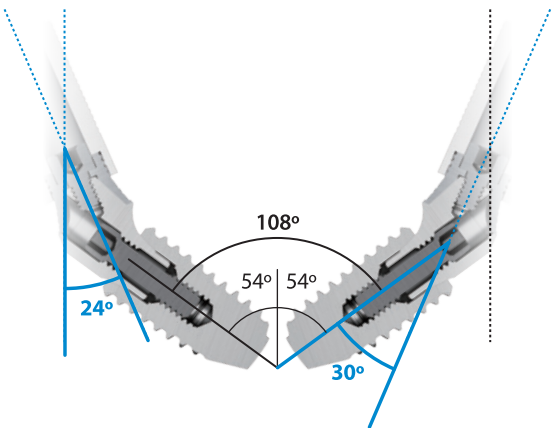

17°   30°
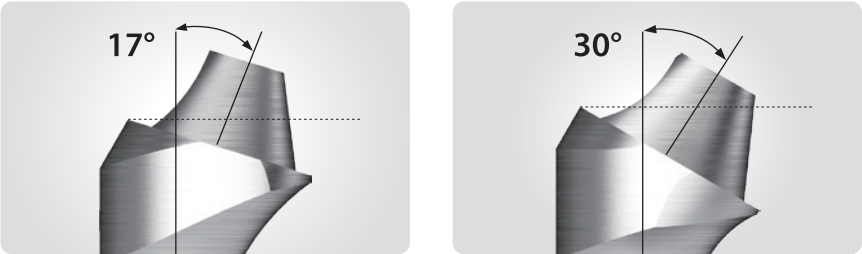
Gingival Heights

• A wide range of gingival heights from 2.5mm to 5mm are available.

2.5mm   3mm   4mm   5mm

G/H
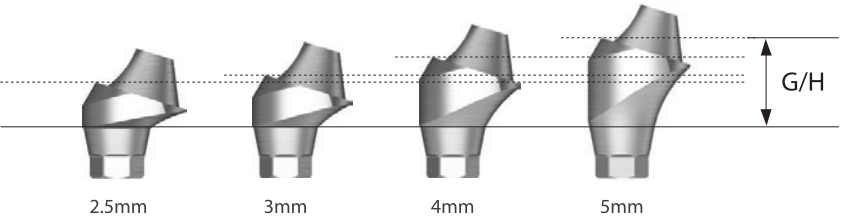
* Options available in both 17 and 30 degrees

Divergence Compensation

• Additional compensation can be made with the angle at the top of the abutment to compensate for up to 108 degrees.

108°

54° 54°

24°

30°

24°

Components & Tools

*Digital libraries are available for the following manufacturers

Cylinder

3shape
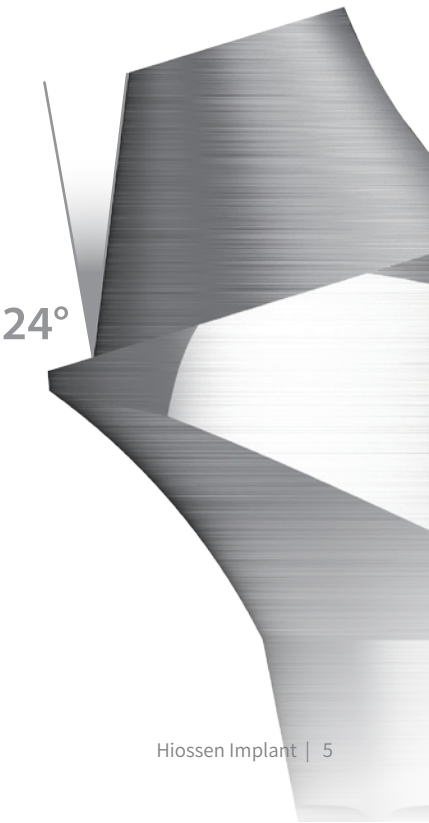
Esthetic-low Temporary Cylinder
Used for fabrication of temporary prosthesis

Multi Combination Cylinder
Used for producing a combination of prostheses

Esthetic-low Gold Cylinder
Used for fabrication of customized prosthesis by casting with gold alloys

Esthetic-low Gold Cylinder
Used for fabrication of customized prosthesis by casting with nonprecious metal alloys

Cylinder

exocad

dental wings
A Straumann Group Brand

Multi Ti Base
• EK/ET Multi Abutment is utilized in the fabrication of combination-retained prostheses
• Used by connecting it to the EK/ET Multi Scan Body

Impression

Esthetic-low Transfer Coping
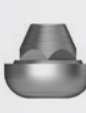
Esthetic-low Pick-up Coping

Lab Analog

Esthetic-low Lab Analog

Impression

Multi Scan Body
Used for oral scanning by connecting to EK/ET Multi Abutment

Lab Analog

Multi Digital Lab Analog

Esthetic-low Polishing Protector
Protects the joint in the polishing procedure after producing a prosthesis using esthetic GoldCast/plastic cylinder.

Esthetic-low Healing Cap
Protection cap for esthetic-low Abutment.

Multi Abutment Outer driver
A dedicated torque Driver for Straight Multi Abutment
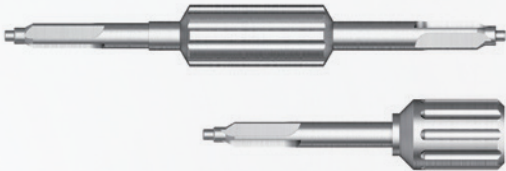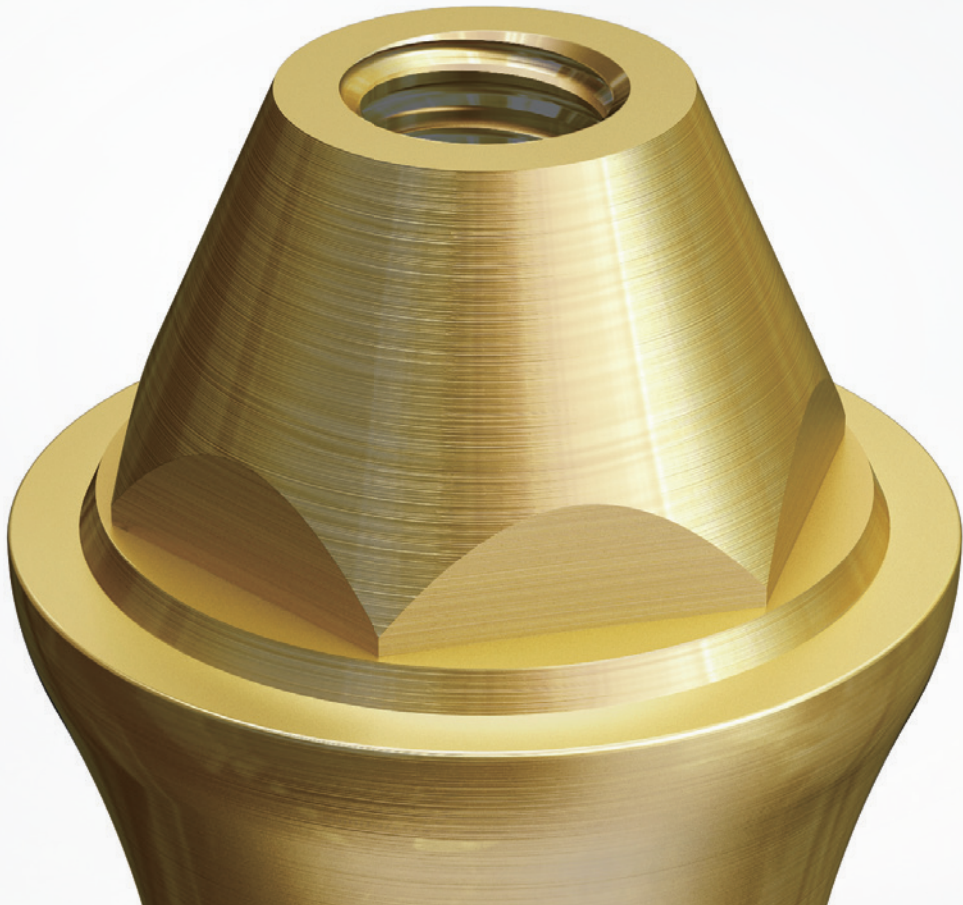
Reamer Drill
Used for correction of insertion path of 3D-printed working model

Positioning Jig
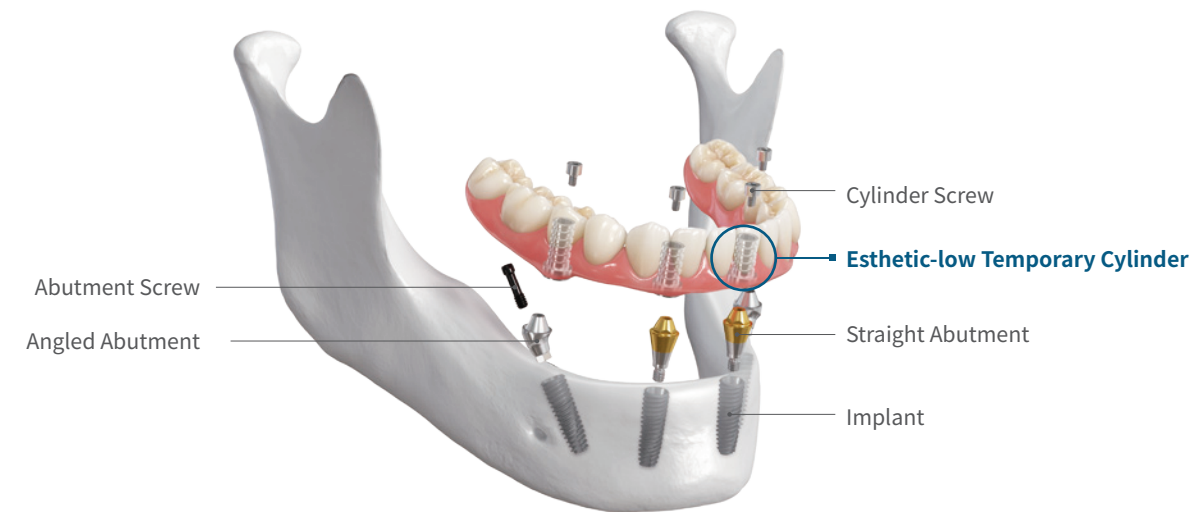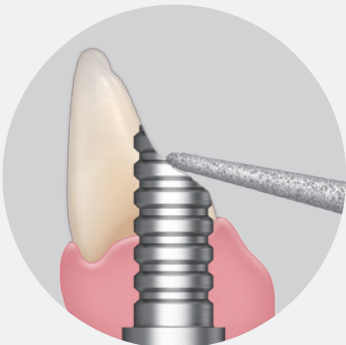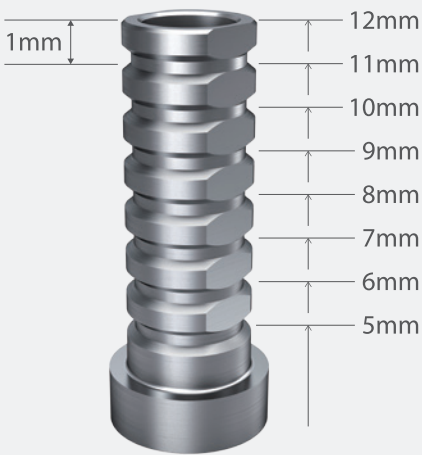Used for inserting Lab Analog to the working model in the accurate hex direction

Optional Components

dental wings
A Straumann Group Brand

Temporary prosthetics can be set immediately after surgery by the use of a Temporary Cylinder. It results in a high treatment satisfaction by minimizing dental patient's functional, aesthetic, and psychosocial discomfort.
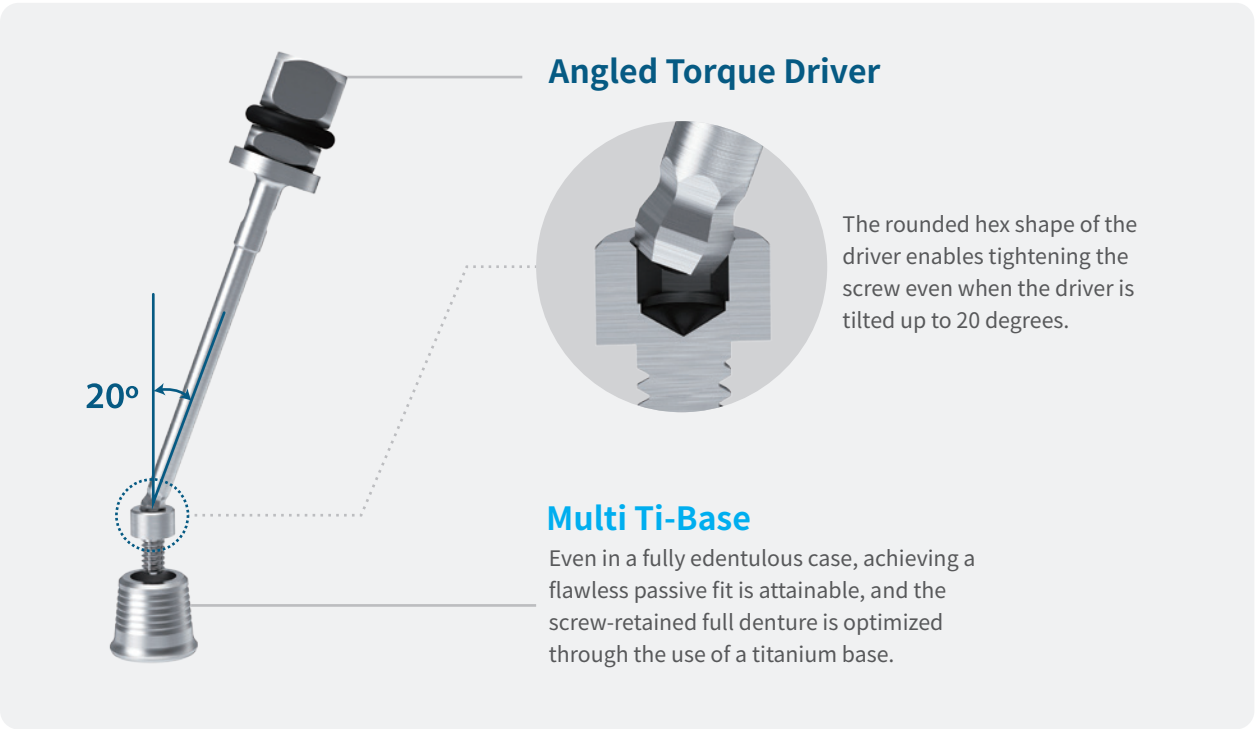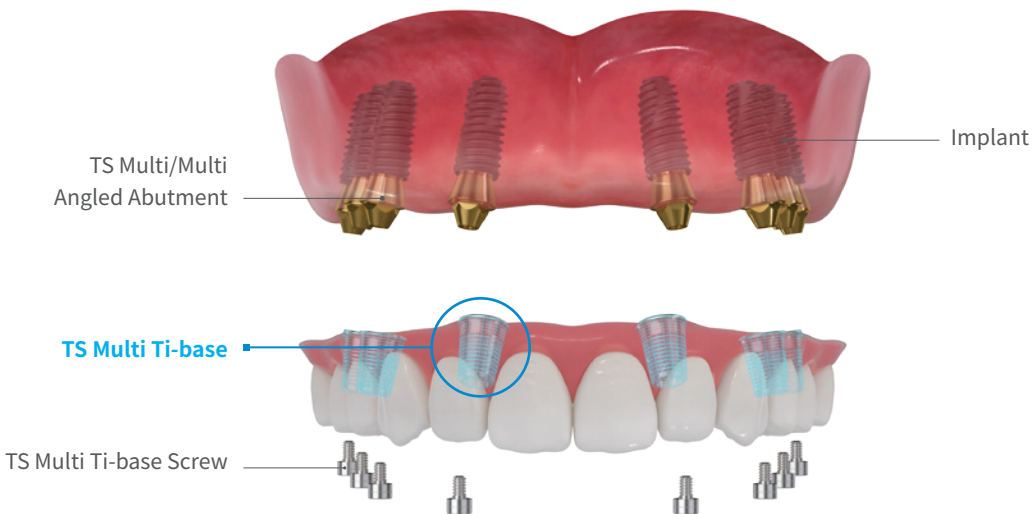

Cylinder Screw

Esthetic-low Temporary Cylinder

Abutment Screw

Angled Abutment

Straight Abutment

Implant

Esthetic-low Temporary Cylinder

1mm

12mm
11mm
10mm
9mm
8mm
7mm
6mm
5mm

The temporary cylinder used during the temporary restoration stage has a total length of 12mm. It is conveniently adjustable in length due to its segmentationinto 1mm sections from top to bottom.

Digital Restoration

*Digital libraries are available for the following manufacturers

3shape   exocad   dental wings
A Straumann Group Brand

The Multi Ti Base offers the advantages of digital manufacturing, which include enhanced precision and customization in prosthetics. It is compatible with a wide range of Multi/Multi Angled Abutments, and various software options provide access to digital libraries for streamlined workflows

TS Multi/Multi Angled Abutment

Implant

TS Multi Ti-base

TS Multi Ti-base Screw

Angled Torque Driver

20º

The rounded hex shape of the driver enables tightening the screw even when the driver is tilted up to 20 degrees.

Multi Ti-Base

Even in a fully edentulous case, achieving a flawless passive fit is attainable, and the screw-retained full denture is optimized through the use of a titanium base.

Multi Abutment

Product Overview
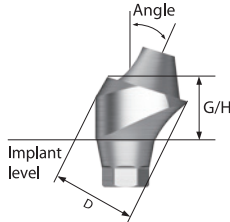
Abutment

Multi Abutment   Packing unit: Abutment + Carrier*)

G/H	1.0	2.0	3.0	4.0	5.0
D Ø 4.8 **M**	ETMTA501M	ETMTA502M	ETMTA503M	ETMTA504M	ETMTA505M

G/H	1.0	2.0	3.0	4.0	5.0
D Ø 4.8 **R**	ETMTA501R	ETMTA502R	ETMTA503R	ETMTA504R	ETMTA505R

*Carrier
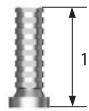
Multi Angled Abutment   Packing unit: Abutment + Carrier*) + EbonyGold Screw(*)

Angle 17°	G/H	2.5	3.0	4.0
D Ø 4.8 **M**		ETMA217MHW	ETMA317MHW	ETMA417MHW

Angle 30°	G/H	3.5	4.0	5.0
D Ø 4.8 **M**		ETMA330MHW	ETMA430MHW	ETMA530MHW

Angle 17°	G/H	2.5	3.0	4.0
		ETMA217SHW	ETMA317SHW	ETMA417SHW

Angle 30°	G/H	3.5	4.0	5.0
D Ø 4.8 **R**		ETMA330SHW	ETMA430SHW	ETMA530SHW

*Carrier

*EbonyGold Screw
Mini : GSMABSM
Regular : GSMABSS

Prosthetic Components

Packing unit: Cylinder + Ti Cylinder Screw(*)

Esthetic-low Temporary Cylinder

D ø 4.8 | Type — Non-Hex

Narrow Type

12

MTR100TH

Multi Combination Cylinder

D ø 4.8 | Type — Hex — Non-Hex

TSMC500TH   TSMC500NTH

Multi Abutment NP-Cast Cylinder

D ø 4.8 | Type — Hex — Non-Hex

TSMN500TH   TSMN500NTH

Esthetic-low Gold Cylinder

D ø 4.8 | Type — Non-Hex

MGR100TH

Esthetic-low Plastic Cylinder

D ø 4.8 | Type — Non-Hex

MEPR100TH
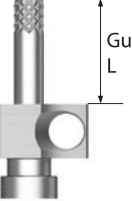
*Screw (MTS200)

Impression Components

Esthetic-low Pick-up Impression Coping

Packing unit: Impression coping body + Guide pin(*)

Guide pin L

D ø 4.8 | Type — Hex — Non-Hex — 5 — 10 — 12 — 15

MSR200   MSR100   GP100   *GP150   GP170   GP200

Esthetic-low Transfer Impression Coping

D ø 4.8

MTTR100

Esthetic-low Lab Analog

D ø 4.8

MERR300

Esthetic-low Polishing Protector

D ø 4.8

MRCR100
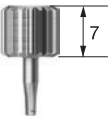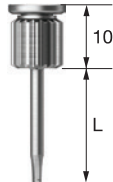
Placement Tool

Torque Driver (1.2 Hex)

6.5

L

Short   Long   Extra long

L	Type	1.2 Hex
8	Ex.Short	TRHD12MS
13	Short	TRHD12S
25	Middle	TRHD12M
20	Long	TRHD12L
25	Ex.Long	TRHD12E

Hand Driver (1.2 Hex)

7   10   L

Extra Short   Long

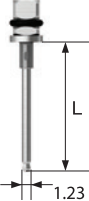| L	Type	1.2 Hex
8	Ex.Short	AHD12MSH
13	Short	AHD12SH
25	Middle	AHD12MH
20	Long	AHD12LH
25	Ex.Long	AHD12EH

Multi Abutment Outer Driver

MAOD

Multi Abutment Machine Driver

MAMD

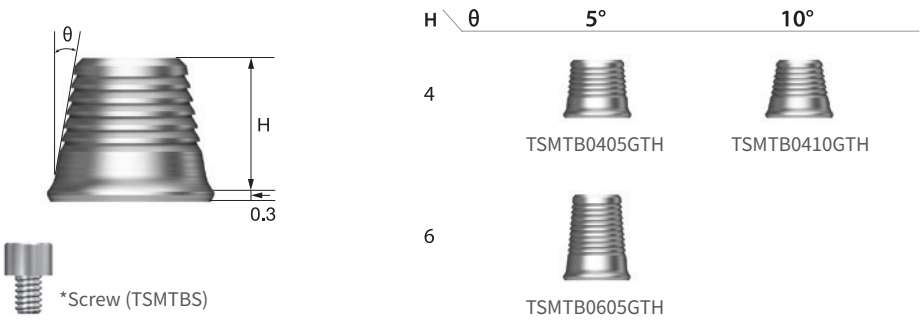### Angled Torque Driver

L

1.23

Short   Long

L	Type	1.2 Hex	1.2 Hex (Set)
13	Short	ATD12S	ATD12S3S
20	Long	ATD12L	ATD12L3S

For Digital Prosthetics

*Digital libraries are available for the following manufacturers   3shape   exocad   dental wings *A Straumann Group Brand*

TS Multi Ti Base   Packing unit: Ti Base + Ti Cylinder Screw(*)

H \ θ	5°	10°
4	TSMTB0405GTH	TSMTB0410GTH
6	TSMTB0605GTH	

*Screw (TSMTBS)

Multi Digital Lab Analog	**Positioning Jig**	**Multi Scan Body**	**Screw Bulk (10ea)**
Packing unit : Digital Lab Analog + Screw			
TSMDLA	TSMDLAPJ	TSMSBC	TSDLASB

Reamer Drill   *Use A Type for Multi Abutment
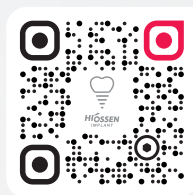
A Type

B Type
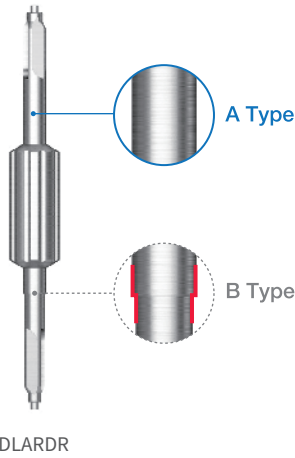
DLARDR

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