



The Attractive Solution

Magna-Cap™ System  
Catalogue

# Magna-Cap™ System

**Technovent's Magna-Cap™ System is a titanium-based Magnetic Attachment System, for maxillofacial prostheses based on closed-field magnetic attraction between small, split-pole prosthesis magnets and magnetisable implant fixtures.**

The system is ideal for use in Orbital, Nasal, Midface or Auricular prosthetic cases and is compatible with most major implant systems including:

- Straumann
- Cochlear
- Nobel Biocare
- Southern Implants
- Astra

Custom height parts can also be manufactured. Please contact us for further information.

CE marked and manufactured to the highest standards of the EC directive and FDA approved.

## **Advantages of the Magna-Cap™ system include:**

- Strong breakaway forces - over 11N when using our Maxi Prosthesis Magnets
- Ease of prosthesis placement for patients.
- Simple hygiene control - easy for patient cleaning.
- Quick and easy technical procedure to construct prosthesis.
- Closed-field magnetic system - the magnet is in the prosthesis not the patient.
- Magnetic unit is a split-pole construction design, with proven internal and external corrosion resistance.
- Autoclaveable using standard autoclave cycle.
- Can utilise non-parallel implant fixtures.
- Predictable retention forces and low implant impact forces.



# How to get started using the system

**Step 1. Choose Magnacap or Magnabutment.** - Available in 4.4mm and 5.1mm diameters.

## Magnacap



Magnacap fits into the implant abutment.

## Magnabutment



Magnabutment fits directly into implant

**Step 2. Choose prosthesis magnets.**



**No Lip**



**Lip**

Provides controlled prosthesis stability.



**Long Lip**

Provides extra prosthesis stability against external displacement forces.



**Silicone Retentive**

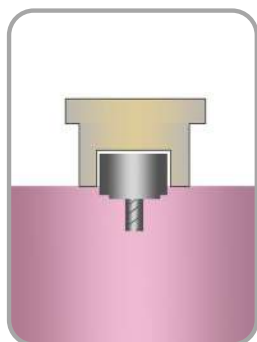
With retentive ring for mechanical retention to silicone.



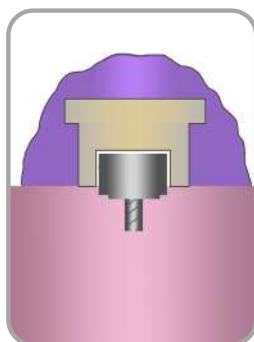
**Auricular**

Excellent magnetic strength coupled with a mechanical lock. (For use with Auricular Magnacap).

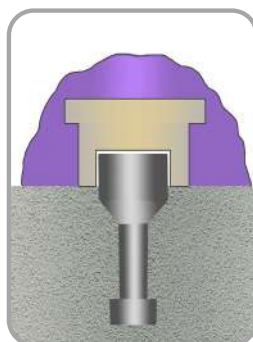
## How to get started - The Impression Technique



Place a Mini/Maxi Impression Magnet (JB-AFK) on the matching size Magnacap/ Magnabutment.



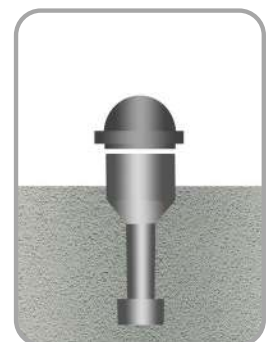
Take an impression with Impression Magnet in place.



Seat Lab Analogue Abutment (LAA) onto the Impression Magnet and cast a model using hard stone plaster.



When model is set remove Impression Magnet.



Apply prosthesis magnet to model. Begin to create your magnet retained prosthesis.

# Magnacaps - Non-Sterile

ABUTMENT KEEPER THAT FITS DIRECTLY ONTO AN IMPLANT ABUTMENT

## NOBEL BIOCARE EXTERNAL HEX (BRANEMARK) / COCHLEAR VISTAFIX GENERATION 2 MAGNACAP

Code	Description	Height	Diameter
B-MC1-S	Mini Magnacap	2.1mm	4.4mm
B-MC2-S	Maxi Magnacap	2.1mm	5.1mm



## COCHLEAR VISTAFIX GENERATION 3 MAGNACAP

Code	Description	Height	Diameter
VF-MC1-S	Mini Magnacap	2.1mm	4.4mm
VF-MC2-S	Maxi Magnacap	2.1mm	5.1mm



## NOBEL BIOCARE MULTIUNIT MAGNACAP

Code	Description	Height	Diameter
B-MUMC1-S	Mini Magnacap	2.1mm	4.4mm
B-MUMC2-S	Maxi Magnacap	2.1mm	5.1mm



## ASTRA 45° UNI-ABUTMENT MAGNACAP

Code	Description	Height	Diameter
A-MC1-S	Mini Magnacap	2.1mm	4.4mm
A-MC2-S	Maxi Magnacap	2.1mm	5.1mm



## STRAUMANN MAGNACAP (RC PILAR MULTIBASE)

Code	Description	Height	Diameter
S-MC2-S	Maxi Magnacap	2.1mm	5.1mm



## MEDICON BASIC POST MAGNACAP

Code	Description	Height	Diameter
P-MC1-S	Mini Magnacap	1.9mm	4.4mm
P-MC2-S	Maxi Magnacap	1.9mm	5.1mm



## ASTRA EV MAXI MAGNACAP

Code	Description	Height	Diameter
EV-AMC2-S	Maxi Magnacap	2.1mm	5.1mm



# Magnabutments - Sterile

ABUTMENT KEEPER THAT FITS DIRECTLY ONTO AN IMPLANT FIXTURE

## NOBEL BIOCARE EXTERNAL HEX (BRANEMARK) MAGNABUTMENT

Code	Description	Height	Diameter
B-MA1-S	Mini Magnabutment	3.6mm	4.4mm
B-MA2-S	Maxi Magnabutment	3.6mm	5.1mm



## STRAUMANN MAGNABUTMENT ITI

Code	Description	Height	Diameter
S-MA2-S	Maxi Magnabutment	2.1mm	5.1mm



## COCHLEAR VISTAFIX GENERATION 2 MAGNABUTMENT

Code	Description	Height	Diameter
E-MA1-S	Mini Magnabutment	3.6mm	4.4mm
E-MA2-S	Maxi Magnabutment	3.6mm	5.1mm



## SOUTHERN IMPLANTS MAGNABUTMENTS FOR - IE, IT & EXTERNAL HEX (HX) IMPLANT FEATURES

Code	Description	Height	Diameter
IE-MA1-S	Mini Magnabutment	3.6mm	4.4mm
IE-MA2-S	Maxi Magnabutment	3.6mm	5.1mm
IT-MA2-S	Maxi Magnabutment	2.1mm	5.1mm
HX-MA1-S	Mini Magnabutment	3.6mm	4.4mm
HX-MA2-S	Maxi Magnabutment	3.6mm	5.1mm



## MEDICON BASIC POST MAGNABUTMENTS

Code	Description	Height	Diameter
P-MA2-1.6	Maxi Magnabutment Epiplating	1.6mm	5.1mm
P-MA2-3.5	Maxi Magnabutment Epiplating	3.5mm	5.1mm
P-MA2-5.0	Maxi Magnabutment Epiplating	5.0mm	5.1mm
P-MA2-6.5	Maxi Magnabutment Epiplating	6.5mm	5.1mm



# Prosthesis Magnets - Non-Sterile

## NON-LIPPED PROSTHESIS MAGNET

Code	Description	Height	Diameter	Breakaway Force
MM0-S	Mini Micro Magnet	1.85mm	4.5mm	3.8N
M0-S	Micro Magnet	1.99mm	4.5mm	4.2N
M1-S	Mini Magnet	3.20mm	4.5mm	6.5N
M2-S	Midi Magnet	3.20mm	5.5mm	10.5N
M3-S	Maxi Magnet	3.90mm	5.5mm	11.5N

Mini Micro Magnet (MM0-S)  
Micro Magnet (M0-S)



Mini Magnet (M1-S)



Midi Magnet (M2-S)



Maxi Magnet (M3-S)



## PROSTHESIS LIP MAGNET

Lip Magnets provide controlled prosthesis stability (lip additional 0.6mm height).

Code	Description	Height	Diameter	Breakaway Force
MML0-S	Mini Micro Lip Magnet	1.85mm	4.5mm	3.8N
ML0-S	Micro Lip Magnet	1.99mm	4.5mm	4.2N
ML1-S	Mini Lip Magnet	3.20mm	4.5mm	6.5N
ML2-S	Midi Lip Magnet	3.20mm	5.5mm	10.5N
ML3-S	Maxi Lip Magnet	3.90mm	5.5mm	11.5N



## PROSTHESIS LONG LIP MAGNET

Long Lip Magnets provide extra stability against external displacement forces (lip additional 1.2mm height).

Code	Description	Height	Diameter	Breakaway Force
MLL3-S	Maxi Long Lip Magnet	3.90mm	5.5mm	11.5N



## SILICONE RETENTIVE MAGNET

Prosthesis Magnet with a retentive ring for mechanical retention to silicone.

Code	Description	Height	Diameter	Breakaway Force
ML3-SR	Maxi Lip SR Magnet	3.90mm	5.5mm	11.5N
MLL3-SR	Maxi Long Lip SR Magnet	3.90mm	5.5mm	11.5N



## MAXI O-RING MAGNET

Maxi O-Ring Magnet

Code	Description	Height	Diameter	Breakaway Force
MLL3-OR-S	Maxi O-Ring Magnet	7.20mm	5.5-7.4mm	10N (13N Retention)



# Auricular Magnet System

**Technovent's innovative Auricular Magnet System retains all of the outstanding features of the original Magnacap System but has the following additional benefits giving it distinct advantages in comparison to conventional mechanical retention.**

- Magnetic retention coupled with a mechanical safety lock which overcomes the problems of lateral displacement.
- Ease of positioning due to magnetic location.
- Reduced height (2.7mm) prosthesis magnet.
- Novel new Magnacap design ensures O-Ring safety lock engages closer to fitting surface of the magnet.
- In normal use, prosthesis is held in place solely by magnetic retention with mechanical retention only activated if needed.

## AURICULAR MAGNACAPS FOR VISTAFIX GENERATION 2 & 3 IMPLANT SYSTEMS

Auricular Maxi Magnacaps to fit on the Abutment fixture of both Vistafix 2 & 3 Implant Abutments. Must be used in conjunction with Auricular Magnet (MLL2-OR-S). Non-sterile.

Code	Description	Height	Diameter
B-MC2-OR-S	Maxi Auricular Magnacap for Vistafix 2	2.7mm	5.26mm
VF-MC2-OR-S	Maxi Auricular Magnacap for Vistafix 3	3.2mm	5.26mm



## AURICULAR MAGNET

Excellent magnetic strength coupled with a mechanical backup reduces lateral displacement. Use in conjunction with either B-MC2-OR-S or VF-MC2-OR-S. Non-sterile.

Code	Description	Height	Diameter
MLL2-OR-S	Auricular Magnet	2.7mm	Fitting surface 5.5mm External (widest) 7.9mm



**NOTE: COMPATIBLE WITH CORRESPONDING LAB ANALOGUE CAPS: (VF-LAC2-OR & B-LAC2-OR).  
NO LOCATOR RING NEEDED.**

# Other Specialised Magnet Systems

## MULTI-PURPOSE MAGNET

Extremely powerful attachment for multi-component assemblies.

Attachment comprises of two paired magnets. Each magnet has a flange for retention within the prosthesis. Non-sterile.

Code	Description	Height	Breakaway Force
MPMS	Multi-Purpose Magnet	2.6mm	6.5N
MPMS-NL	Multi-Purpose Magnet (NO LIP)	2.6mm	6.5N



## INSERT KEEPER

For cast-on techniques, soldering & multi-component assemblies. Non-sterile.

Code	Description	Height	Diameter
IK1-S	Mini Insert Keeper	0.8mm	4.4mm
IK2-S	Maxi Insert Keeper	0.8mm	5.1mm





# Laboratory Accessories

## TRANSFER MAGNET

A colour coded magnet used with a pick-up impression technique (lip 0.6mm). Non-sterile.

Code	Description	Height	Diameter
MT1	Mini Transfer Magnet	3.2mm	4.5mm
MT2	Maxi Transfer Magnet	3.9mm	5.5mm



## LAB ANALOGUE CAP NOBEL BIOCARE EXTERNAL HEX & COCHLEAR VISTAFIX GENERATION 2

A colour coded Magnacap replica for laboratory models. Non-sterile.

Code	Description	Height	Diameter
B-LAC1	Lab Analogue	2.1mm	4.4mm
B-LAC2	Lab Analogue	2.1mm	5.1mm



## LAB ANALOGUE CAP FOR COCHLEAR VISTAFIX GENERATION 3

A colour coded Magnacap replica for laboratory models. Non-sterile.

Code	Description	Height	Diameter
VF-LAC1	Lab Analogue	2.1mm	4.4mm
VF-LAC2	Lab Analogue	2.1mm	5.1mm



## LAB ANALOGUE CAP FOR AURICULAR SYSTEM

A colour coded Magnacap replica for laboratory models. Non-sterile.

Code	Description	Height	Diameter
B-LAC2-OR	Lab Analogue	2.7mm	5.26mm
VF-LAC2-OR	Lab Analogue	3.2mm	5.26mm



## LAB ANALOGUE ABUTMENT

A colour coded Magnacap replica for laboratory models. Non-sterile.

Code	Description	Diameter
LAA1	Mini Lab Analogue Abutment	4.4mm
LAA2	Maxi Lab Analogue Abutment	5.1mm
MPMA	Multi-Purpose Lab Analogue Abutment	9.0mm



# Laboratory Accessories

## IMPRESSION MAGNET

Replaces the use of Transfer Magnet & Locator Ring. Design ensures greater retention within silicone impression material. Non-sterile.

Code	Description
JB-AFK-1	Mini Impression Magnet
JB-AFK-2	Maxi Impression Magnet
JB-AFK-OR	Auricular Impression Magnet



## LOCATOR RING

Temporary locator used during processing of magnets into a prosthesis. Non-sterile.

Code	Description
LR1	Mini Locator Ring
LR2	Maxi Locator Ring
LR-LL2	Long Lip Locator Ring



## SEATING TOOL

Hand held tool with surface magnet to sit root keepers and for general handling of Magnacap. Non-sterile.

Code	Description	Height	Diameter
STO	Seating Tool	17.0mm	5.5mm



## HAND CAPFIT TOOL

Hand held insertion tool used to fit Magnacaps & Magnabutments. In built magnet provides safe handling. Non-sterile.

Code	Description	Height	Diameter
CF1	Mini Hand Capfit Tool	17.0mm	6.0mm
CF2	Maxi Hand Capfit Tool	17.0mm	6.5mm



## LATCH CAPFIT TOOL

Insertion tool for use in torque controlled hand piece to fit Magnacaps & Magnabutments. Non-sterile.

Code	Description	Height	Diameter
CF3	Mini Latch Capfit Tool	17.0mm	6.0mm
CF4	Maxi Latch Capfit Tool	17.0mm	6.5mm



# Custom Parts & Special Order Items

Technovent also offers a service to produce custom made attachments for items that do not fall within our stock sizes.

A variety of different height magnacaps and magnabutments can be produced for implant systems in addition to specialised platform systems e.g Branemark Narrow/Wide platforms.

When ordering custom/special order items, a prescription form must be completed which will require the following information:

- Implant system and platform type
- Abutment diameter (Mini/Maxi)
- Abutment height
- Patient reference for custom device
- Any other relevant information

Please contact us for a copy of the prescription form which can be emailed or downloaded from our website.

IF YOU NEED FURTHER INFORMATION  
OR ADDITIONAL TECHNICAL HELP - PLEASE EMAIL:  
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