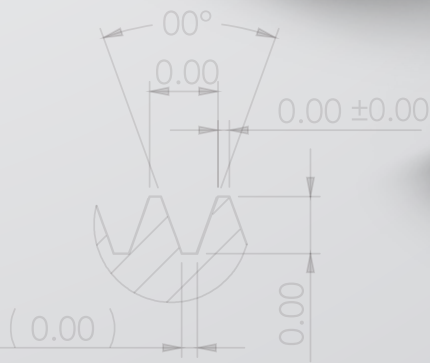
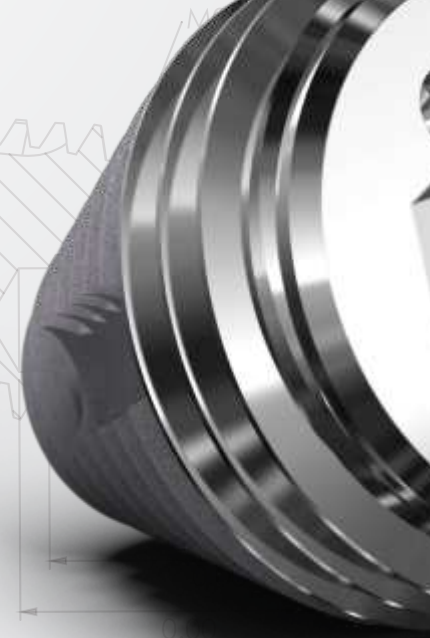




MSc EXTERNAL HEX
SOUTHERNIMPLANTS



THREAD DETAIL

NOTCH : 00°
0.00 DEEP



PRODUCT CATALOGUE V.1.0

3X FLUTES 120° APART
CUT WITH Ø1mm
BALLNOSE CUTTER



Dental implants are now an indispensable part of dental treatment options. With the globalization of medical infrastructures and higher standards of living, implant applications continue to increase.

Southern Implants has been a manufacturer and distributor of dental implants since 1987. Today, the Southern group is a leading biomedical engineering entity, with major intellectual property and capabilities in implantable devices, arthroplasties and tissue regeneration. Top-end professional users, who want more choices, have driven our product range to enormous and exciting heights. Striving for excellence and meeting customer needs has led to our wide product range characterized by numerous unique and innovative products, which include:

- Multiple interfaces, both internal and external, to suit customer preference.
- The MAX, a wide-diameter implant specifically designed for molar tooth replacement.
- Co-axis, the only angled-top, screw-form implant.
- The 55° Zygomatic implant, optimized for load distribution.
- Many products optimized for primary stability and suitable for immediate loading.
- A surface which continues to out perform those which it is trialled against.

My sincere thanks to all specialists, dentists and technicians who give continual feedback, suggestions and input. Our products are an interpretation of your needs.



Graham Blackbeard
Managing Director, Southern Implants

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Complementary Manuals & Instructions

External Hex Product Catalogue.....	CAT-2020
Tri-Nex Product Catalogue.....	CAT-2004
IT Product Catalogue.....	CAT-2005
Patient Information Brochure.....	CAT-2022
Instrument Catalogue.....	CAT-2006
Prosthetic & Laboratory Manual.....	CAT-2001
Implants for Prosthetic Retention and Reconstruction.....	CAT-2010

Various Data Sheets are available on our website

www.southernimplants.com

Images are for illustration purposes only and do not necessarily accurately represent the product.

The MSc range of External Hex Implants

External Hex is the most versatile connection system. It enables us to make very short implants, and highly angled implants, not possible with internal connections. It is also a “more forgiving” connection system, in the case of poor alignment. Hence Southern will continue to develop and support this range, as it is the choice of many training institutions, “top-end” users, and has an extremely wide range of prosthetic options.

MSc stands for Machined Surface coronally

Capturing the advantage of Southern’s proven rough surface where it is needed most, to prevent initial failures, and a coronally machined area, of specific surface roughness, to maintain bone in situations of bacterial onslaught.

Indication

Patients with higher risk of coronal bone loss (smokers, history of periodontitis, cardio-vascular disease)

The Range

All MSc External Hex tapered implants from range diameter 3.00mm through to the 9mm diameter MSc MAX implants. Included are the unique MSc Co-Axis implants of 12, 24 and 36 degrees, and implant lengths range from 6mm to 15mm.

Martines et al, JOI, 34:4, 2008

Showed that machined surface implants perform better (less bone loss) than roughened surface implants in cases of induced bacterial load.

Brånemark Clinic, Gothenburg

Rough surface implants decreased initial failure rates from 12.1% to 2.3% in the maxilla and from 4.7% to 2.2% in the mandible (Jemt EAO 2013)

For final restoration, Southern has 3 products with unique features that put them in a class of their own:



The Passive Abutment:

This product is built on the premise that impeccable fit to the implant (minimizing microgap) is of great importance for longevity of implant treatment. The best milled interfaces result in 15 to 50 micron microgaps.

Passive Abutments can be used with cast or milled abutments and structures, and reduce the microgap to less than 3 microns.



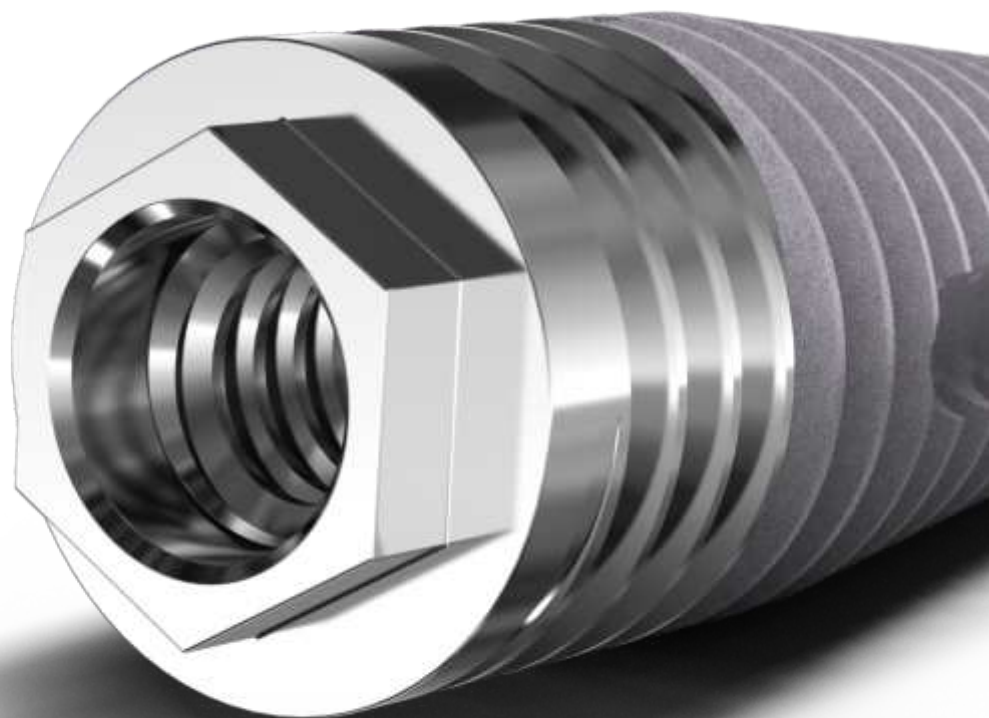
The CIA scanning Abutment:

This registered design has some unique contours, making it work with a wide variety of scanners and a wide variety of materials. The retaining screw pulls down on the abutment, and hence it can be used with lower strength restorative materials.



The CER-ZR Zirconia Abutment:

These abutments are milled in the “green state” and then post-ground to ensure an impeccable fit to the implant, of less than 3 microns. They come in a wide variety of diameters so that the crown can be designed with minimal unsupported porcelain.



Cover Screw

SCP-2



Healing Abutments

TPN

Ø3.0



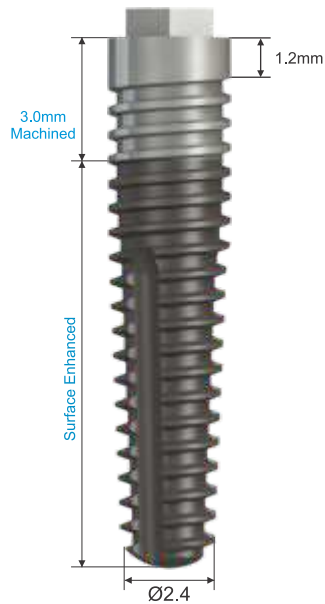
3/4/6
lengths

TPW

Ø4.0



3/4/6
lengths

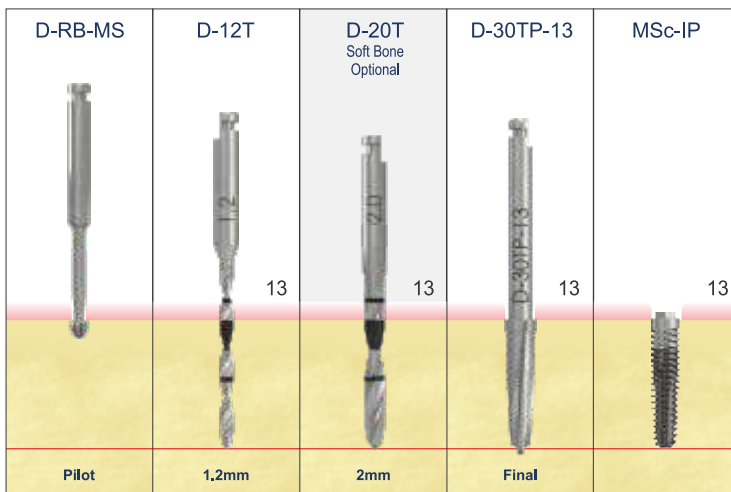


Implants are pre-mounted and available in lengths of:

Length	MSc-IP
8.5	MSc-IP-8.5
10	MSc-IP-10
11.5	MSc-IP-11.5
13	MSc-IP-13
15	MSc-IP-15

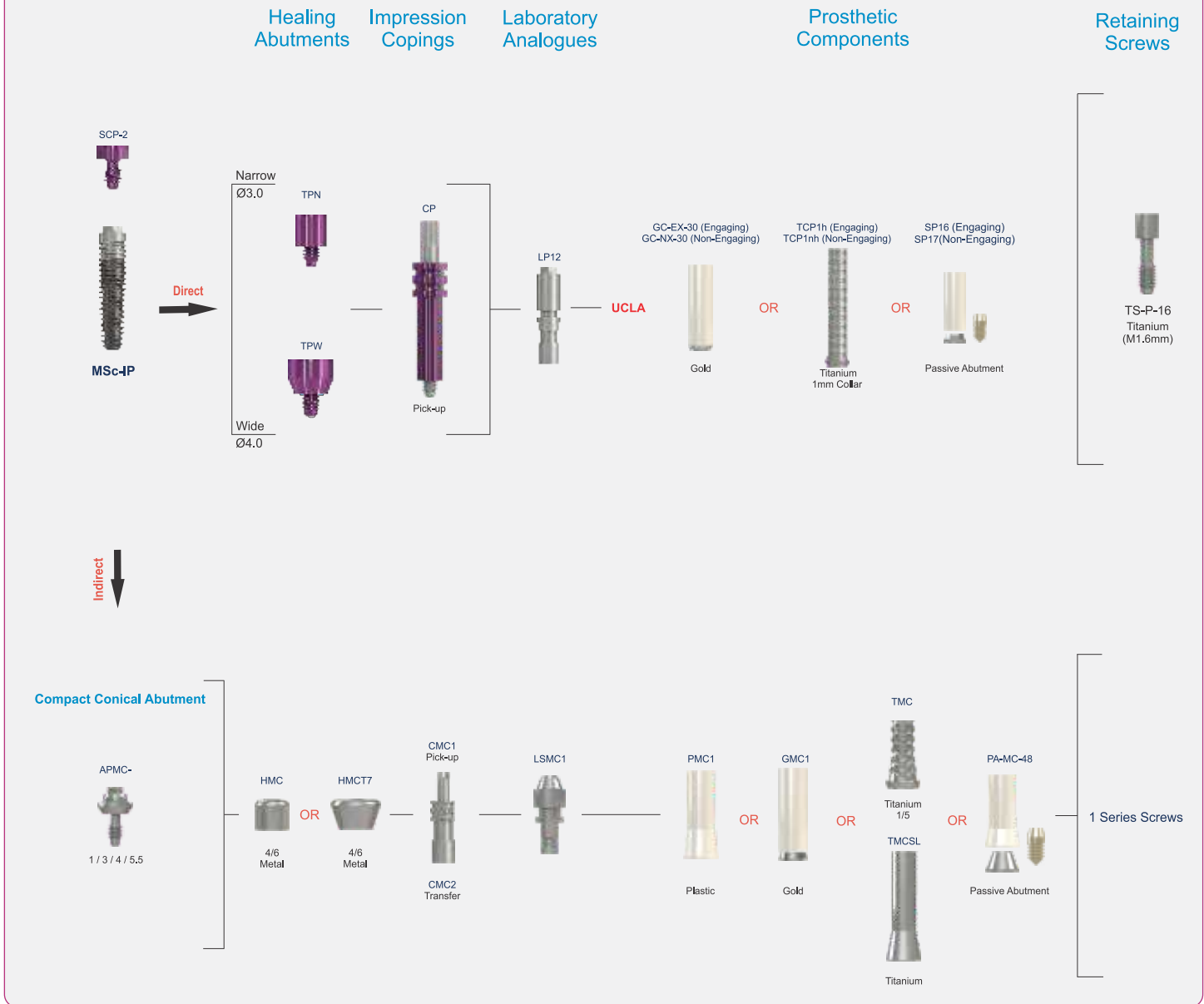
(Unit: mm)

MSc-IP Site Preparation Sequence



(Illustration is for a 13mm implant)

MSc-IP Prosthetic Flowchart



The MSc Piccolo Implant

This implant has been developed for use in narrow spaces, such as replacement of congenitally missing lateral incisors and lower central incisors where 3.25mm diameter implants are too wide.

This configuration is made possible with the use of high-strength titanium. Giving 30% greater fatigue strength than the standard grade 4 commercially pure titanium.

The 3mm diameter platform and M1.6mm prosthetics screw are not well-suited for use with cantilevers and high load applications.

The unique passive abutment is also available for the MSc Piccolo implant.

This product is built on the premise that the impeccable fit to the implant (minimizing microgap) is of great importance for longevity of implant treatment. The best milled interface results in 15 to 50 micron microgaps.

Passive Abutments can be used with cast or milled abutments and structures, and reduce the microgap to less than 3 microns.



Cover Screw

SCNU2



Healing Abutments

TBN

Ø3.6



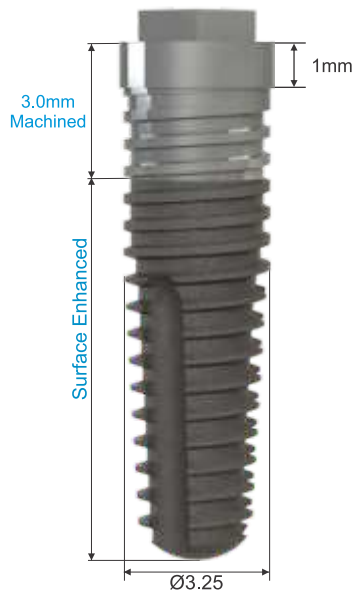
2/3/4/6/8
lengths

WBN

Ø4.5



2/3/4/6
lengths

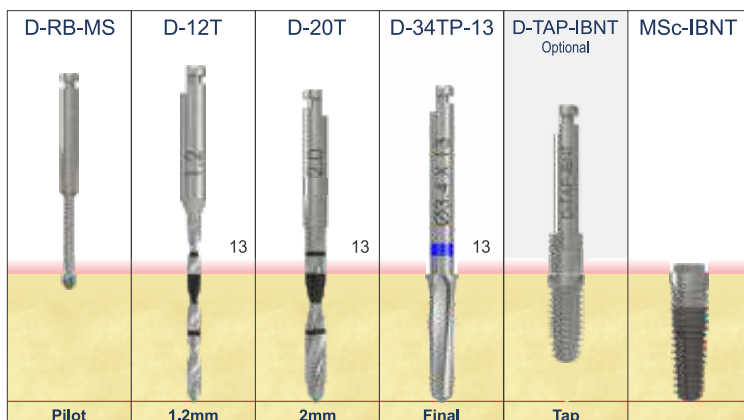


Implants are pre-mounted and available in lengths of:

Length	Tapered
8.5	MSc-IBNT-8.5
10	MSc-IBNT-10
11.5	MSc-IBNT-11.5
13	MSc-IBNT-13
15	MSc-IBNT-15

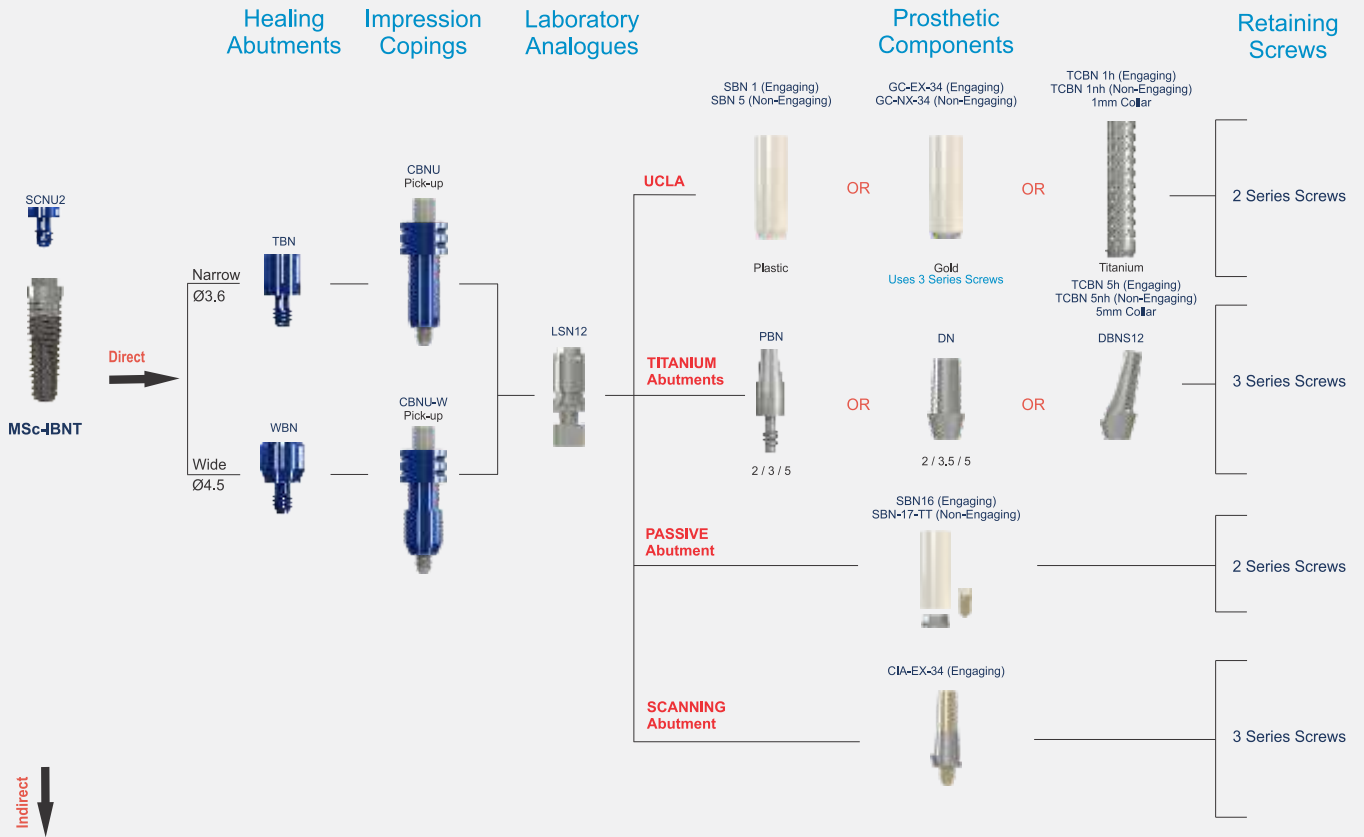
(Unit: mm)

MSc-IBNT Site Preparation Sequence

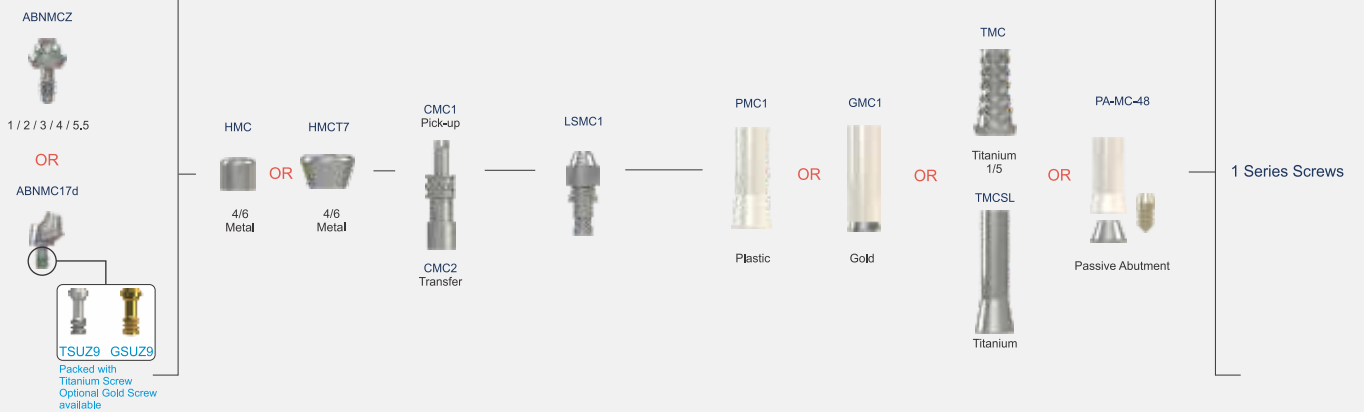


(illustration is for a 13mm implant)

MSc-IBNT Prosthetic Flowchart



Compact Conical Abutment



The Standard Abutment range is still available. Please refer to Data Sheet for further information.

Cover Screw

SCU2



Healing Abutments

TB

Ø4.5



2/3/4/5/6/8
lengths

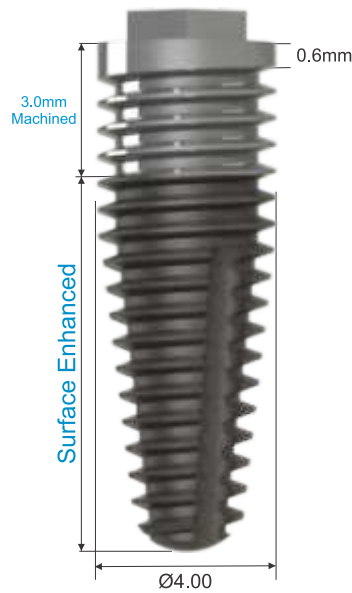
WB

Ø5.5



2/3/4/6/8
lengths

Also available in Two-Part

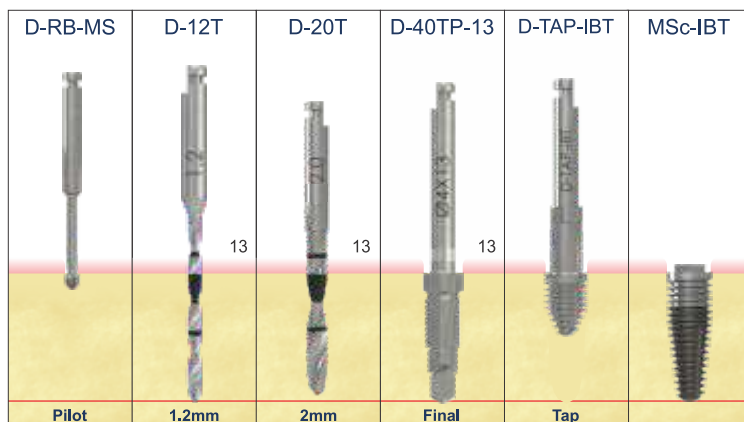


Implants are pre-mounted and available in lengths of:

Length	Code
6	MSc-IBT-6
8.5	MSc-IBT-8.5
10	MSc-IBT-10
11.5	MSc-IBT-11.5
13	MSc-IBT-13
15	MSc-IBT-15

(Unit: mm)

MSc-IBT Site Preparation Sequence

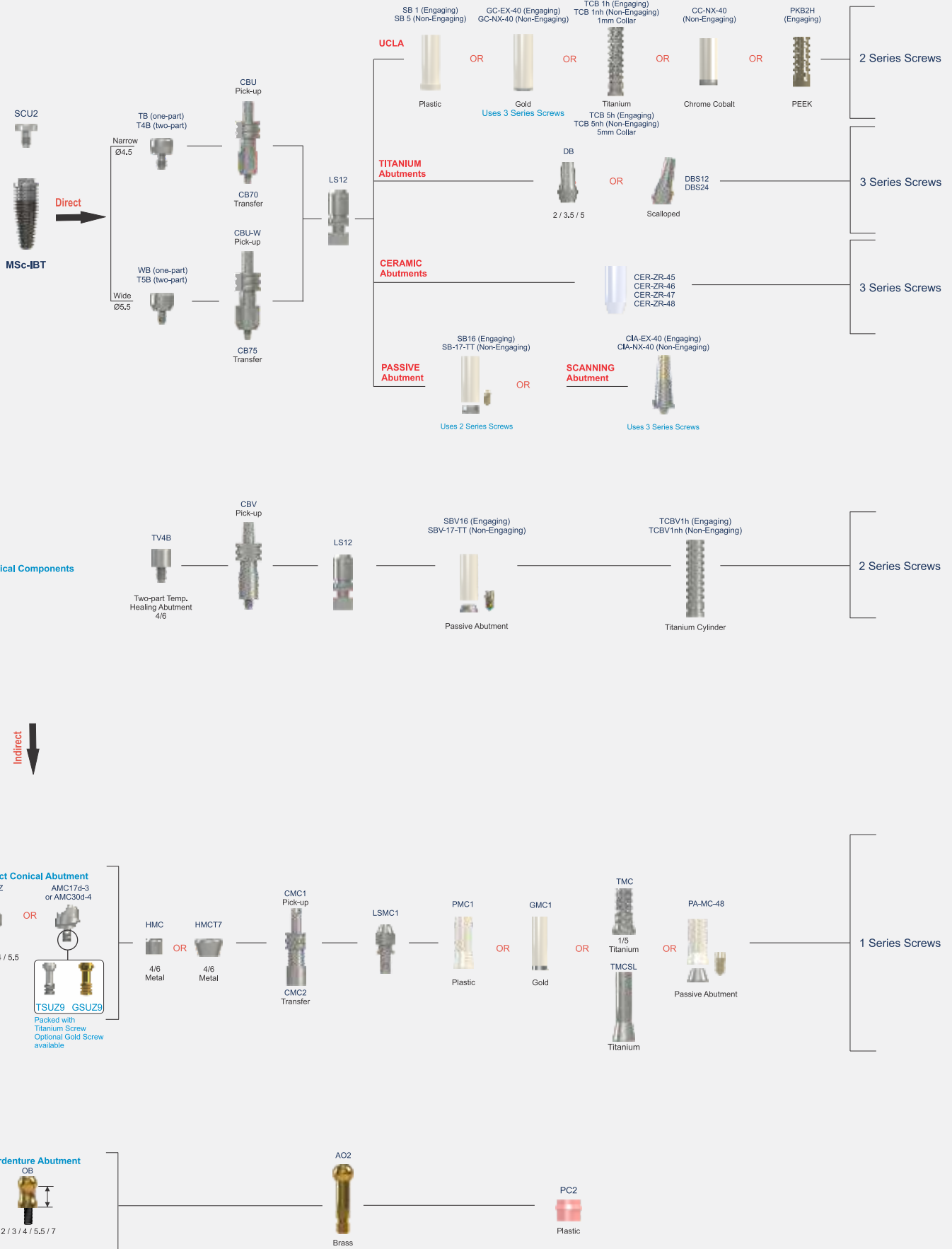


(Illustration is for a 13mm implant)

MSc-IBT Prosthetic Flowchart

These components can also be used when platform shifting MSc-BAT implants

Healing Abutments Impression Copings Laboratory Analogues Prosthetic Components Retention Screws



The Standard Abutment and Conical ranges are still available. Please refer to Data Sheets for further information.

Cover Screw

SCAU5



Healing Abutments

TBA

XBA

WBA

Ø5.5

Ø6.5

Ø7.5

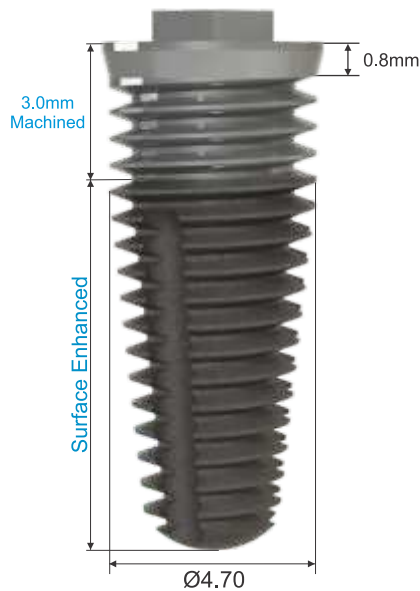


2/3/4/6/8
lengths

2/3/4/6/8
lengths

2/3/4/6/8
lengths

Also available in Two-Part



Implants are pre-mounted and available in lengths of:

Length	Code
6	MSc-BAT-6
8.5	MSc-BAT-8.5
10	MSc-BAT-10
11.5	MSc-BAT-11.5
13	MSc-BAT-13
15	MSc-BAT-15

(Unit: mm)

MSc-BAT Site Preparation Sequence



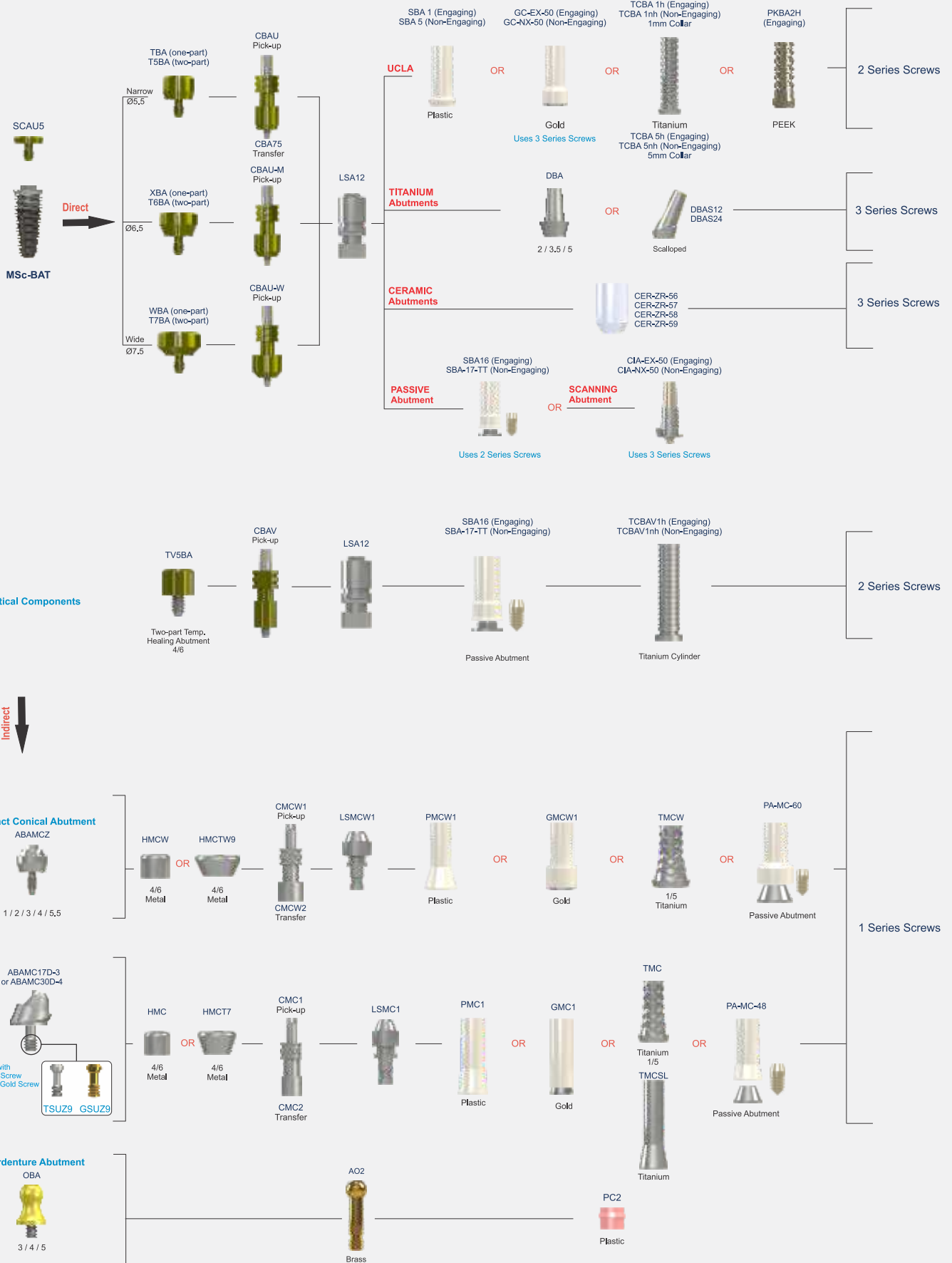
(illustration is for a 13mm implant)

MSc-BAT Prosthetic Flowchart

Healing Abutments Impression Copings Laboratory Analogues

Prosthetic Components

Retention Screws



The Standard Abutment and Conical ranges are still available. Please refer to Data Sheets for further information.

The MSc Externally Hexed Co-Axis™ range

The Co-Axis implant is indicated for use in situations where the long axis of a conventional implant would not coincide with the long axis of the restoration and would therefore result in a restorative compromise.

The most common example of this is encountered where an implant is placed in the anterior maxilla at a labially inclined angle, as dictated by the anatomy of the alveolus, resulting in the screw access hole of the prosthetic crown passing through the labial face of the crown. The Co-Axis implant effectively solves this problem by having the prosthetic platform and screw hole of the implant tilted at an angle of 12, 24 or 36 degrees to the long axis of the implant. The axis of the retaining screw is therefore also offset within the body of the implant.

The Co-Axis concept can be applied to solve many other situations where inclined placement of implants is either unavoidable or even an advantage. For example where avoidance of anatomical structures dictates (eg: maxillary sinus, mental foramen) or where bony anatomy can be maximised by inclined placement of an implant.

An elegant and truly innovative solution to a frequent problem in implant dentistry.



- The EX HEX Co-Axis solution greatly simplifies the restorative treatment of an inclined implant by eliminating the need for angle correcting abutments or custom abutments. This reduces the number and cost of components required, reduces the complexity and cost of laboratory work, as well as the number of patient visits required.
- Screw retained restorations can be used instead of cemented restorations, making immediate loading protocols routinely available .
- Aesthetic advantages result from having no need for labially placed screw access holes.
- Avoidance of anatomical structures by inclined implant placement, without incurring prosthetic complications, is made possible by exploiting the Co-Axis concept.
- The EX HEX Co-Axis implant allows for maximal utilisation of available bone anatomy.
- The tapered EX HEX Co-Axis implant provides an anatomically correct implant for ideal use in the anterior Maxilla.
- The Co-Axis implant results in considerably more mid-facial soft tissue.



MSc-IBT12d Co-Axis™ Implant

 Diameter $\varnothing 4.0\text{mm}$ Implant and Components

Cover Screw

SCU2



Healing Abutments

TB

WB

$\varnothing 4.5$

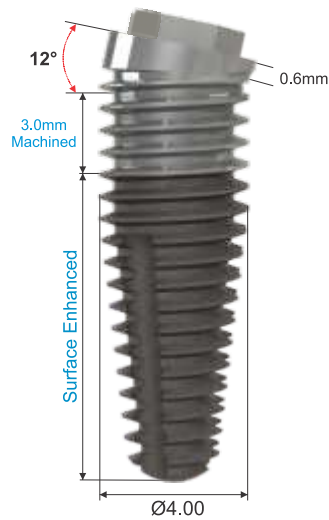
$\varnothing 5.5$



2/3/4/5/6/8
lengths

2/3/4/6/8
lengths

Also available in Two-Part



Implants are pre-mounted and available in lengths of:

Length	Code
8.5	MSc-IBT12d-8.5
10	MSc-IBT12d-10
11.5	MSc-IBT12d-11.5
13	MSc-IBT12d-13
15	MSc-IBT12d-15

(Unit: mm)

MSc-IBT12d Additional Instrumentation

Bone Mills



I-BM-57
I-BM-67

Direction Indicators



I-DIN-12d

Direction Indicators - Tapered



I-DI-12d



I-DI12d-4T-10
I-DI12d-4T-13
I-DI12d-4T-15

MSc-IBT12d Site Preparation Sequence



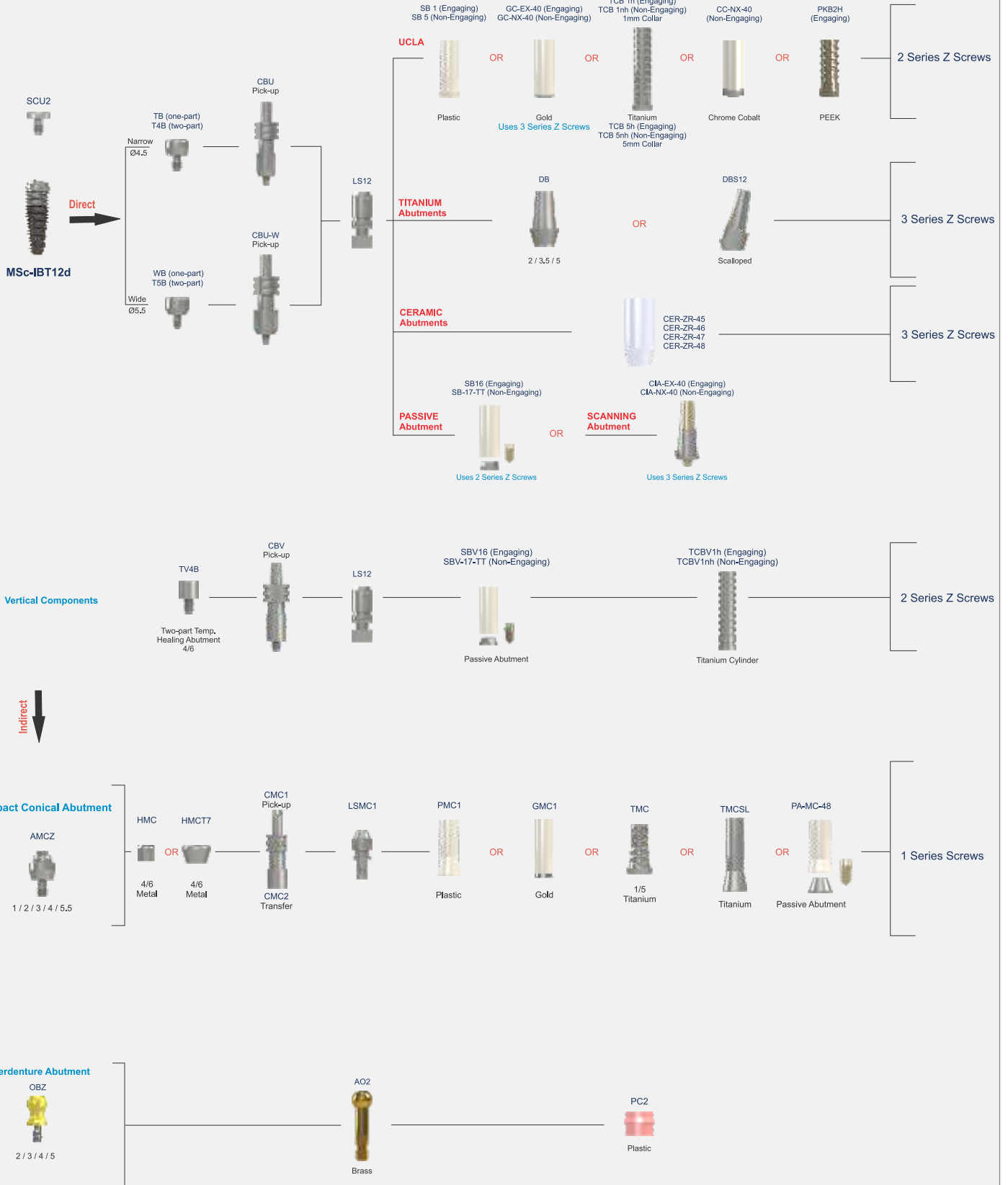
MSc-IBT12d Prosthetic Flowchart

These components can also be used when platform shifting MSc-BAT12d implants

Healing Abutments
Impression Copings
Laboratory Analogues

Prosthetic Components

Retention Screws



NOTE: The IBT12d product range **MUST** be used with "Z" range shortened screw prosthetics. The angled head results in a shallower screw site and if used, the longer screw prosthetics will not seat correctly, and could lead to fractured screws.

The Standard Abutment and Conical ranges are still available. Please refer to Data Sheets for further information.

MSc-BAT12d Co-Axis™ Implants

 Diameter 5.0mm Implants and Components

Cover Screw

SCAU5



Healing Abutments

TBA

XBA

WBA

Ø5.5

Ø6.5

Ø7.5

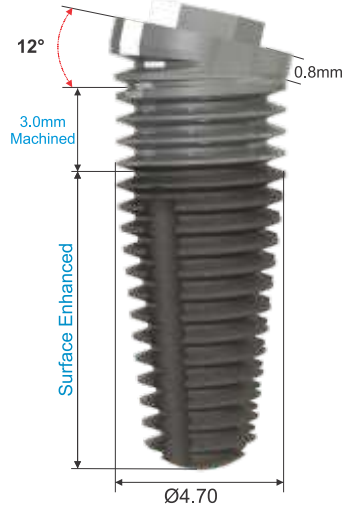


2/3/4/6/8 lengths

2/3/4/6/8 lengths

2/3/4/6/8 lengths

Also available in Two-Part



BAT12d



Implants are pre-mounted and available in lengths of:

Length	Code
10	MSc-BAT12d-10
11.5	MSc-BAT12d-11.5
13	MSc-BAT12d-13
15	MSc-BAT12d-15

(Unit: mm)

MSc-BAT12d Additional Instrumentation

Bone Mills



I-BAM-62
I-BAM-77

Direction Indicators



I-DIN-12d

Direction Indicators - Tapered

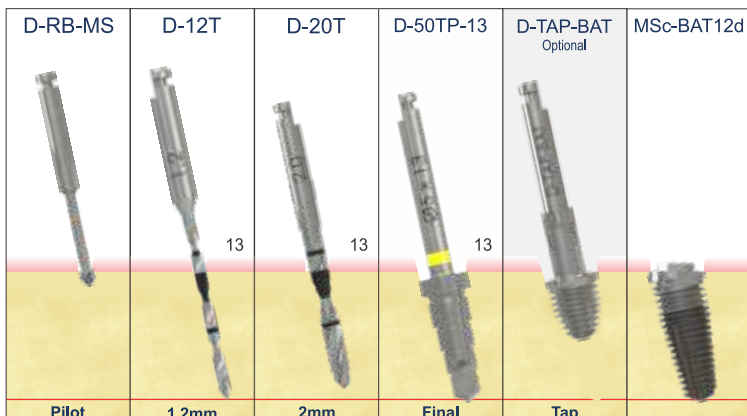


I-DI-12d



I-DI12d-5T-10
I-DI12d-5T-13
I-DI12d-5T-15

MSc-BAT12d Site Preparation Sequence



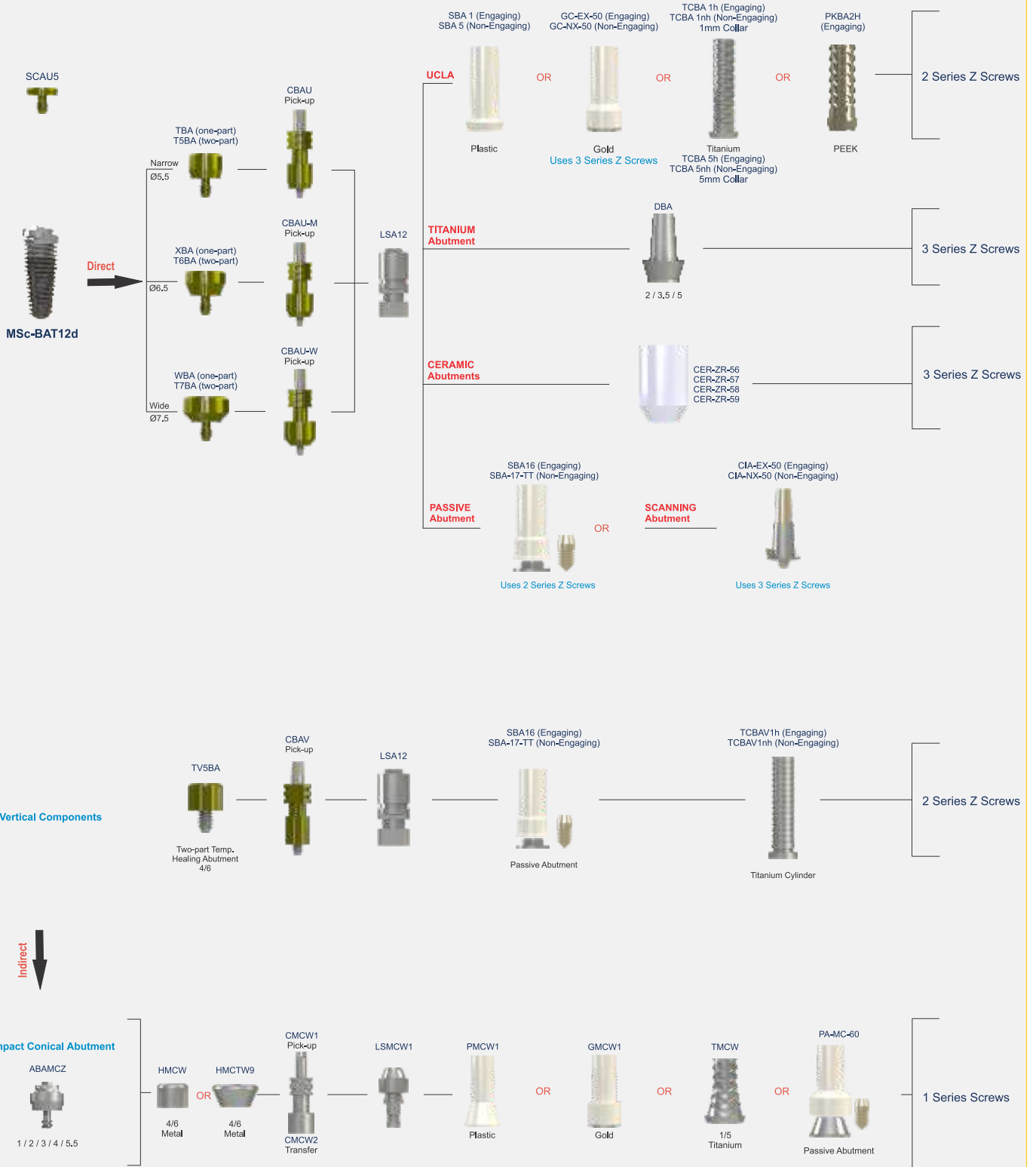
(illustration is for a 13mm implant)

MSc-BAT12d Prosthetic Flowchart

Healing Impression Laboratory
Abutments Copings Analogues

Prosthetic
Components

Retention
Screws



The Standard Abutment and Conical ranges are still available. Please refer to Data Sheets for further information.

MSc-BAT24d & MSc-BAT36d Co-Axis™ Implant

 Diameter 5.0mm Implants used with Diameter 4.0mm Components

Cover Screw

SCU2



Healing Abutments

TB

WB

Ø4.5

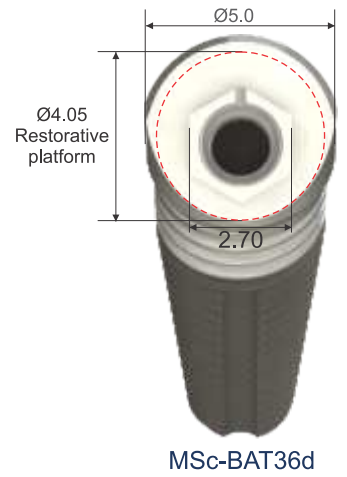
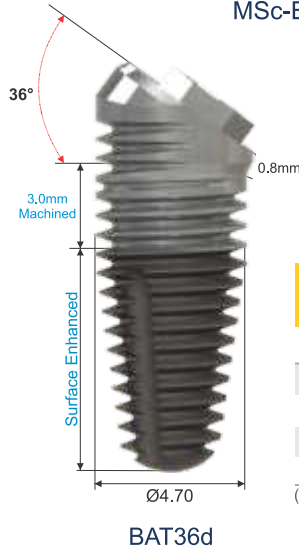
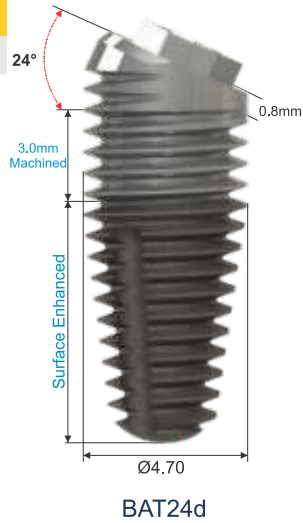
Ø5.5



2/3/4/5/6/8 lengths

2/3/4/6 lengths

Also available in Two-Part



Implants are pre-mounted and available in lengths of:

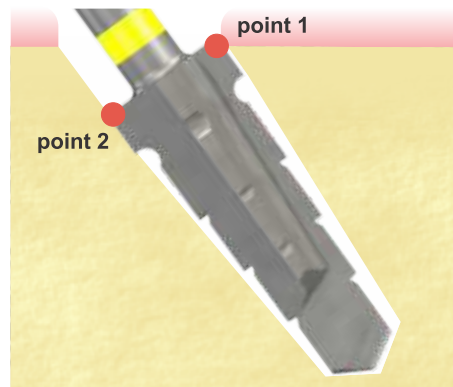
Length	Code	Code
10	MSc-BAT24d-10	MSc-BAT36d-10
11.5	MSc-BAT24d-11.5	MSc-BAT36d-11.5
13	MSc-BAT24d-13	MSc-BAT36d-13
15	MSc-BAT24d-15	MSc-BAT36d-15

(Unit: mm)

Direction Indicators



* Final Tapered Drill Position

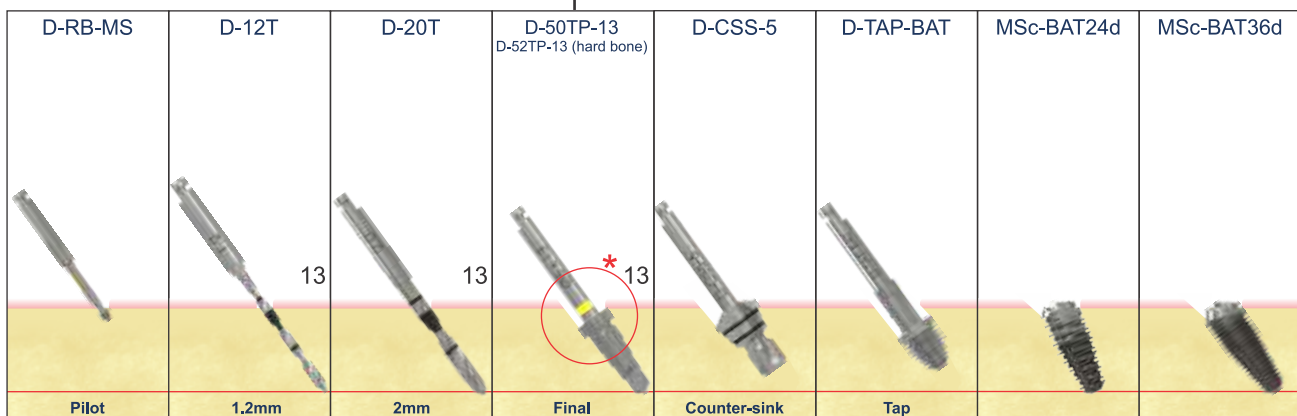


Please note:

Point 1
This corner of the drill is to be at bone level.

Point 2
This corner of the drill will be subcrestal.

MSc-BAT24d / 36d Site Preparation Sequence



(illustration is for a 13mm implant)

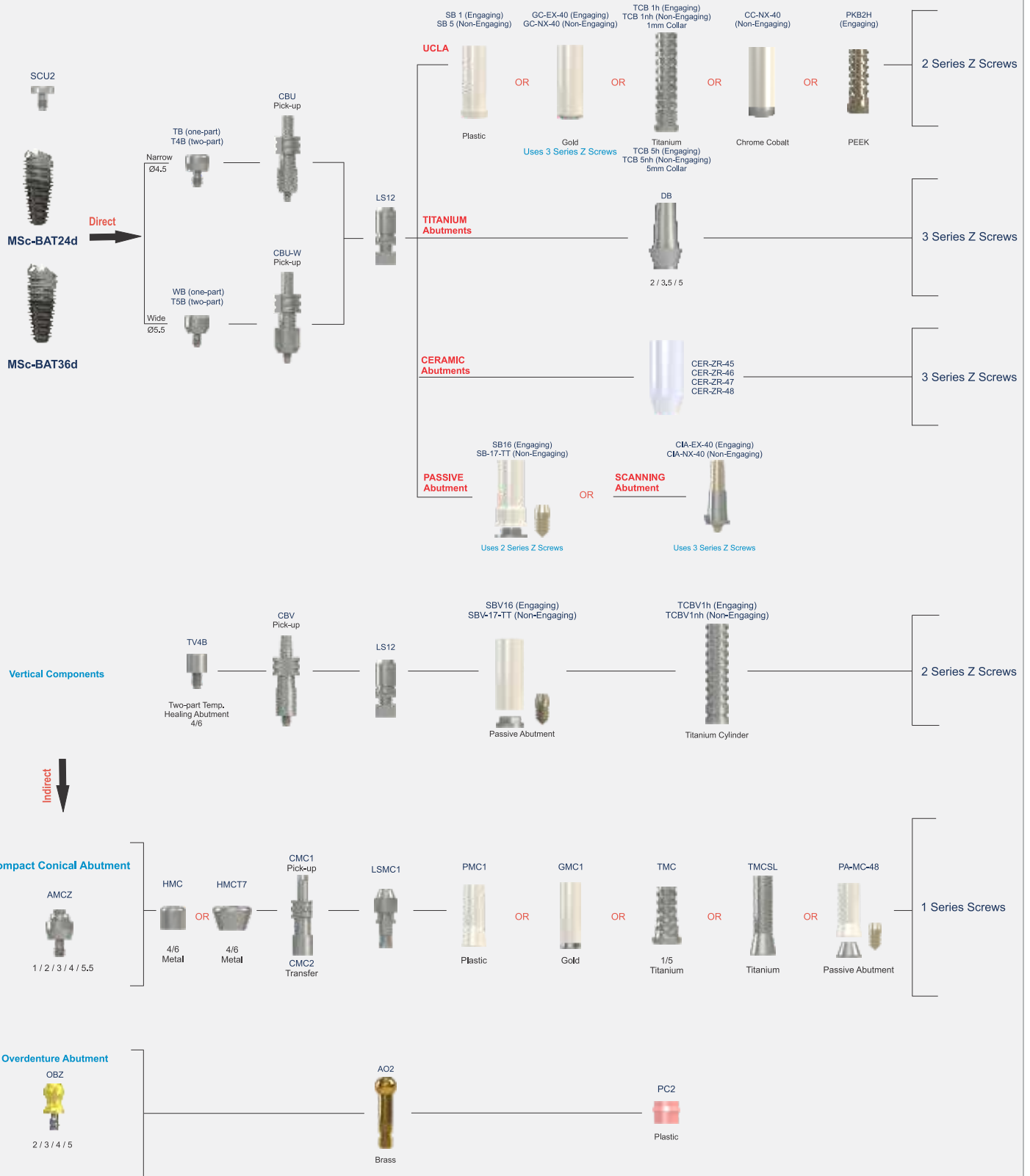
MSc-BAT24d & MSc-BAT36d Prosthetic Flowchart

Restore with 4mm MSc-IBT components

Healing Abutments Impression Copings Laboratory Analogues

Prosthetic Components

Retention Screws



NOTE: The MSc-BAT24 & 36d product range **MUST** be used with "Z" range shortened screw prosthetics. The angled head results in a shallower screw site and if used, the longer screw prosthetics will not seat correctly, and could lead to fractured screws.

The Standard Abutment and Conical ranges are still available. Please refer to Data Sheets for further information.

The MSc Externally Hexed MAX Implant Range

The immediate placement of a conventional dental implant into a molar extraction socket **poses a number of difficulties**. Most significantly, the size and shape of the multi-rooted socket is not suited for the optimal placement of a typical implant, often resulting in compromised implant positioning, poor primary stability or the inability to place an implant at all.

This may result in a waiting period of 3-4 months to allow for healing before attempting to place an implant. Often, the healed site presents with reduced bone height, resulting in the need for bone augmentation procedures, especially in the maxilla. This leads to further lengthening of treatment time with **increased cost and complexity**.

An alternative approach has been to place a 6mm diameter implant into one socket of such a multi-rooted site, typically the palatal socket. Problems associated with this approach include adverse bio-mechanical forces, a poor emergence profile and an unavoidable buccal overhang of the restoration.

The concept of the MSc-MAX implant design provides for an implant and a surgical protocol, which makes immediate placement of the implant into a multi-rooted molar socket attainable, thus obviating the multiple problems highlighted.



- The MSc-MAX implant features a body with a larger than conventional diameter, achieving primary stability from engagement of the buttresses of bone that protrude from the perimeter bony wall of the molar socket.
- The greater taper of the MSc-MAX implant body allows for maximum engagement of the inter-radicular bone within the molar socket.
- In the case of a molar tooth with tapering root form, the implant has a natural fit to the socket shape. The tapered geometry of the implant facilitates excellent primary stability.
- The MAX implant Design won an AO presentation award for innovation in 2008, the SABS Design Excellence Award in 2010, and was the first FDA approved dental implant for the immediate placement into a molar socket.



MSc-MAX-6 Implant

 Diameter **6.0mm** Implant used with Diameter **4.0mm** Components

Cover Screw

SCU2



Healing Abutments

TB

WB

Ø4.5

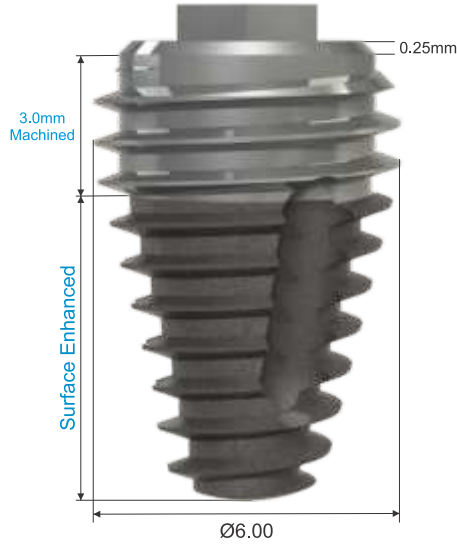
Ø5.5



2/3/4/5/6/8 lengths

2/3/4/6/8 lengths

Also available in Two-Part



Implants are pre-mounted and available in lengths of:

Length	Code
6	MSc-MAX-6-6
7	MSc-MAX-6-7
9	MSc-MAX-6-9
11	MSc-MAX-6-11

(Unit: mm)

MSc-MAX-6 Drills & Additional Instrumentation

Dedicated Drills



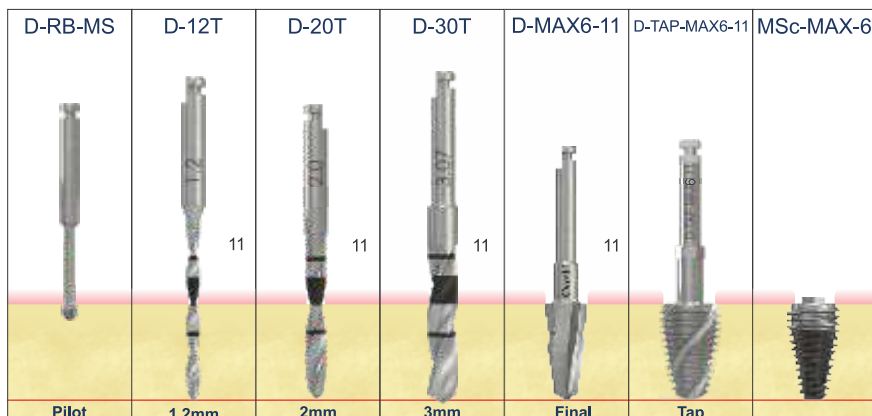
D-MAX6-6
D-MAX6-7
D-MAX6-9
D-MAX6-11

Dedicated Taps



D-TAP-MAX6-6
D-TAP-MAX6-7
D-TAP-MAX6-9
D-TAP-MAX6-11

MSc-MAX-6 Site Preparation Sequence



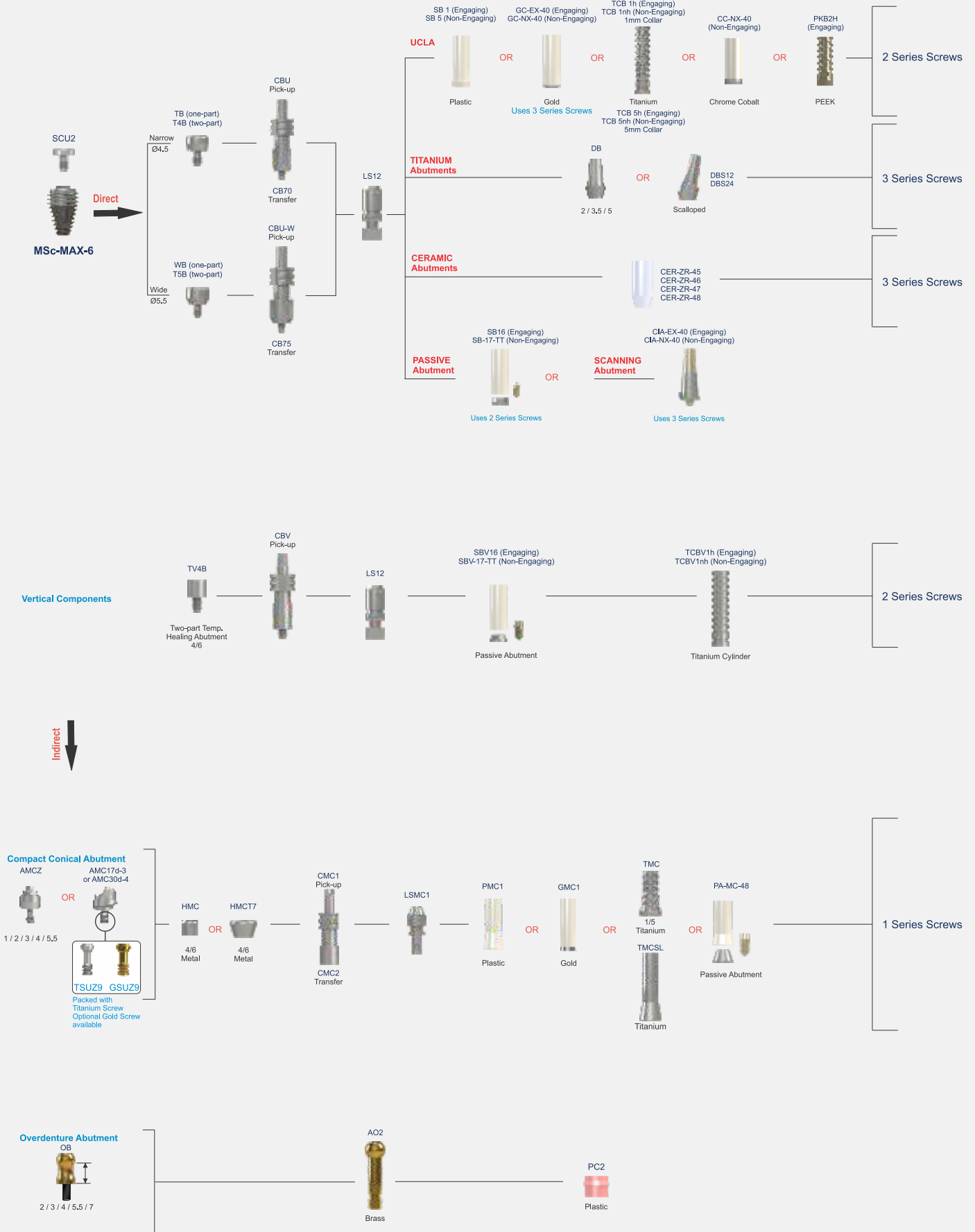
(illustration is for a 11mm implant)

MSc-MAX-6 Prosthetic Flowchart

Healing Abutments Impression Copings Laboratory Analogues


Prosthetic Components

Retention Screws



The Standard Abutment and Conical ranges are still available. Please refer to Data Sheets for further information.

MSc-MAX-7 Implant

 Diameter **7.0mm** Implants used with Diameter **5.0mm** Components

Cover Screw

SCAU5



Healing Abutments

TBA

XBA

WBA

Ø5.5

Ø6.5

Ø7.5

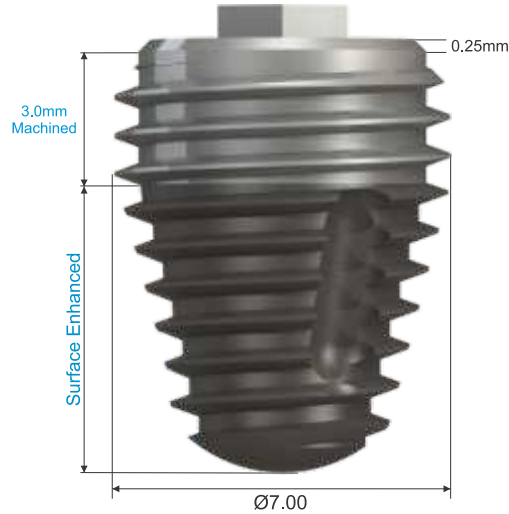


2/3/4/6/8 lengths

2/3/4/6/8 lengths

2/3/4/6/8 lengths

Also available in Two-Part



Implants are pre-mounted and available in lengths of:

Length	Code
7	MSc-MAX-7-7
9	MSc-MAX-7-9
11	MSc-MAX-7-11

(Unit: mm)

MSc-MAX-7 Drills & Additional Instrumentation

Dedicated Drills



D-70TP-7
D-70TP-9
D-70TP-11

D-70TP-7-L
D-70TP-9-L
D-70TP-11-L
(Longer Shaft Length)

Dedicated Taps



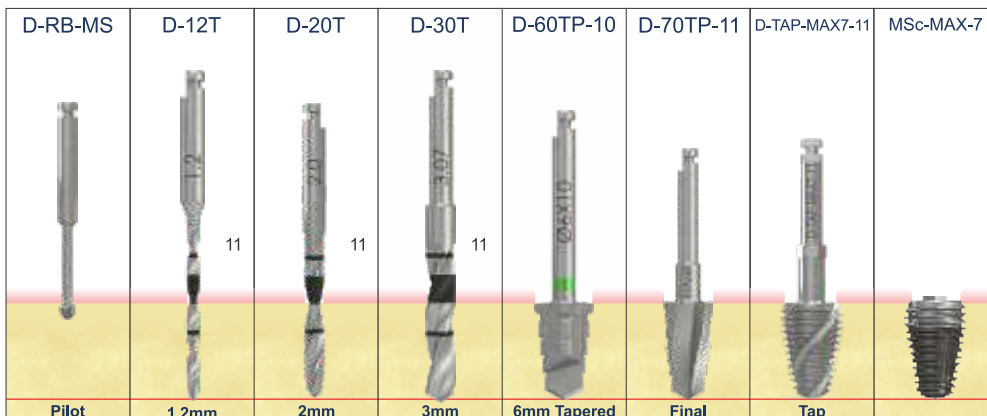
D-TAP-MAX7-7
D-TAP-MAX7-9
D-TAP-MAX7-11

Profile Gauges



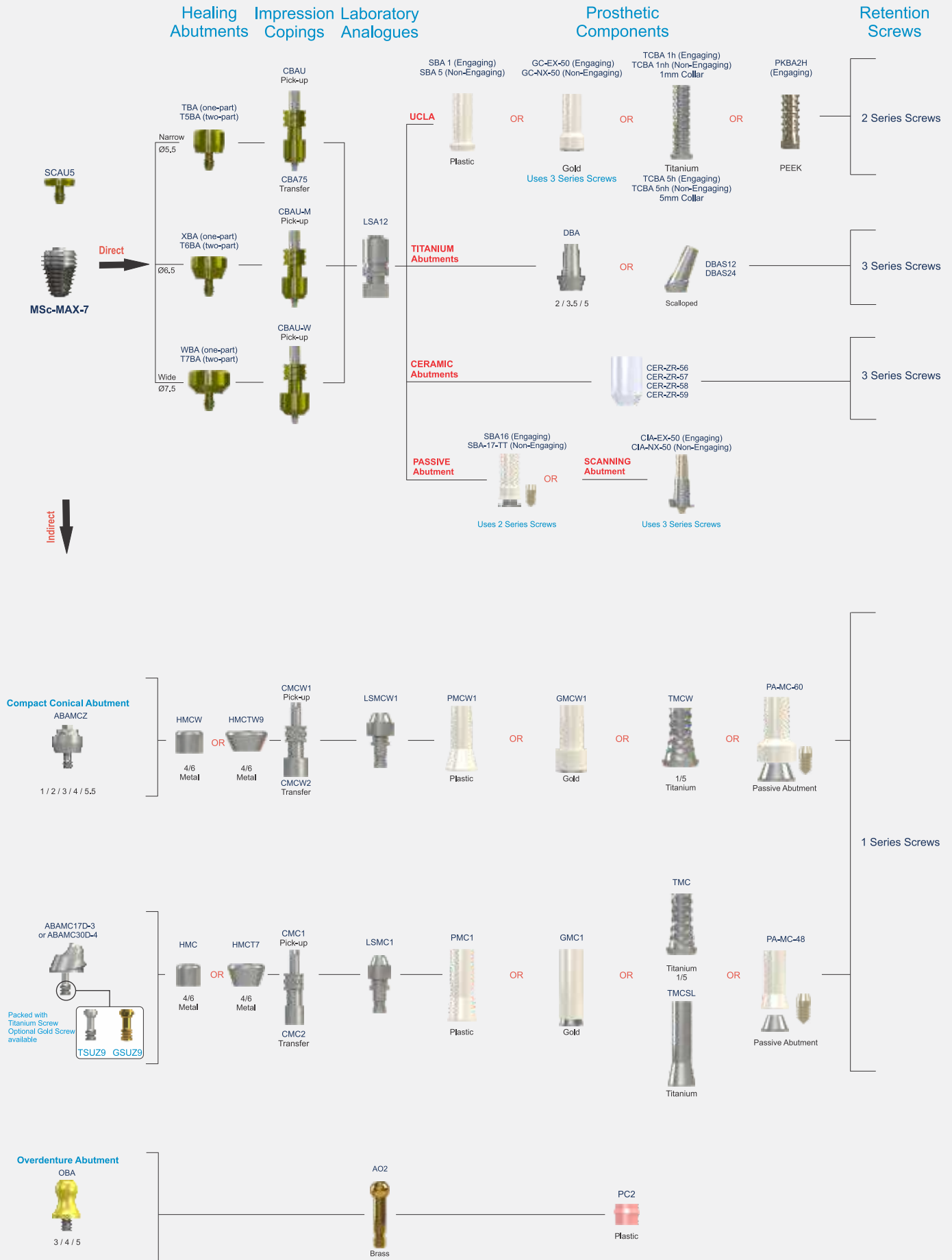
MAX-7-PG-7
MAX-7-PG-9
MAX-7-PG-11

MSc-MAX-7 Site Preparation Sequence



(illustration is for a 11mm implant)

MSc-MAX-7 Prosthetic Flowchart



The Standard Abutment and Conical ranges are still available. Please refer to Data Sheets for further information.

MSc-MAX-8 Implant

 Diameter **8.0mm** Implants used with Diameter **6.0mm** Components

Cover Screw

SCU6



Healing Abutments

TBBB

Ø6.5



2/3/4/6
lengths

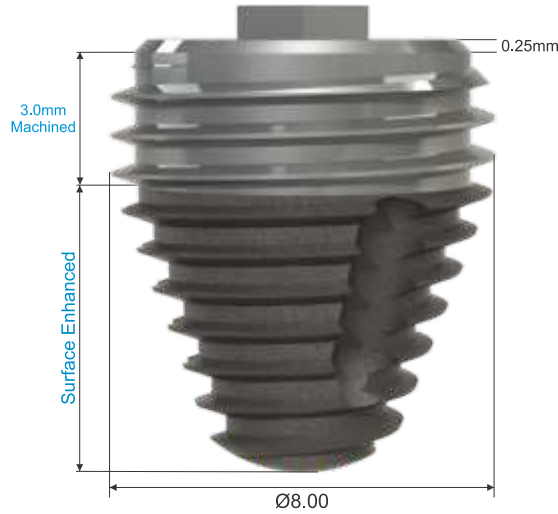
WBBB

Ø7.5



2/3/4/6/8
lengths

Also available in Two-Part



Implants are pre-mounted and available in lengths of:

Length	Code
7	MSc-MAX-8-7
9	MSc-MAX-8-9
11	MSc-MAX-8-11

(Unit: mm)

MSc-MAX-8 Drills & Additional Instrumentation

Dedicated Drills



D-80TP-7
D-80TP-9
D-80TP-11

D-80TP-7-L
D-80TP-9-L
D-80TP-11-L
(Longer Shaft Length)

Dedicated Taps



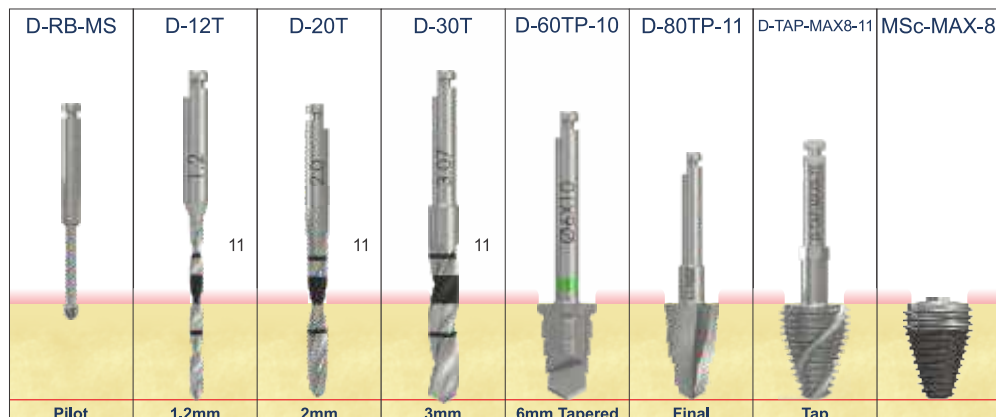
D-TAP-MAX8-7
D-TAP-MAX8-9
D-TAP-MAX8-11

Profile Gauges



MAX-8-PG-7
MAX-8-PG-9
MAX-8-PG-11

MSc-MAX-8 Site Preparation Sequence



(illustration is for a 11mm implant)

Earlier revisions of the MAX drills are 2.4mm longer than the implant. These can easily be identified by the lazer marking on the body of the drill. Current drills are marked on the shank.

MSc-MAX-8 Prosthetic Flowchart

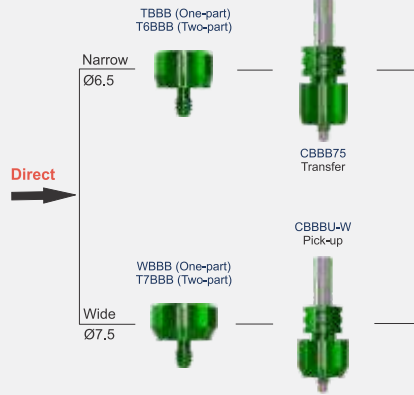
Healing Abutments

Impression Copings

Laboratory Analogues

Prosthetic Components

Retention Screws

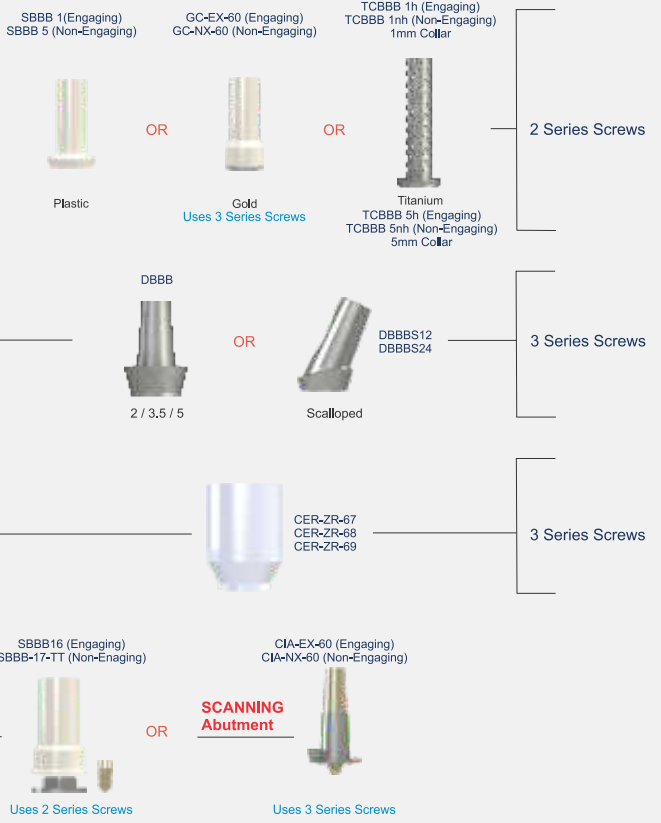


UCLA

TITANIUM Abutments

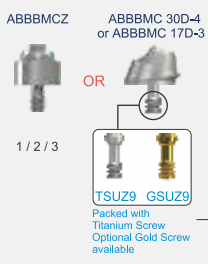
CERAMIC Abutments

PASSIVE Abutment



Indirect

Compact Conical Abutment



The Standard Abutment and Conical ranges are still available. Please refer to Data Sheets for further information.

MSc-MAX-9 Implant

 Diameter **9.0mm** Implants used with Diameter **7.0mm** Components

Cover Screw

SC7



Healing Abutments

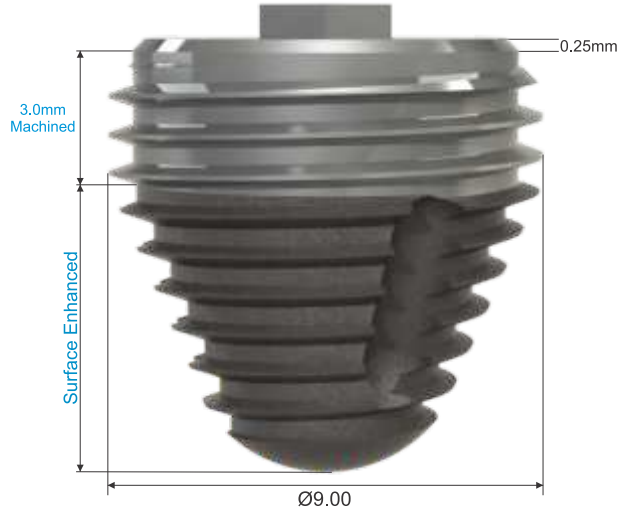
TB9MAX

Ø8.0



4 / 5.5 / 7
lengths

Also available in Two-Part



Implants are pre-mounted and available in lengths of:

Length	Code
7	MSc-MAX-9-7
9	MSc-MAX-9-9
11	MSc-MAX-9-11

(Unit: mm)

MSc-MAX-9 Drills & Additional Instrumentation

Dedicated Drills



D-90TP-7
D-90TP-9
D-90TP-11

D-90TP-7-L
D-90TP-9-L
D-90TP-11-L
(Longer Shaft Length)

Dedicated Taps



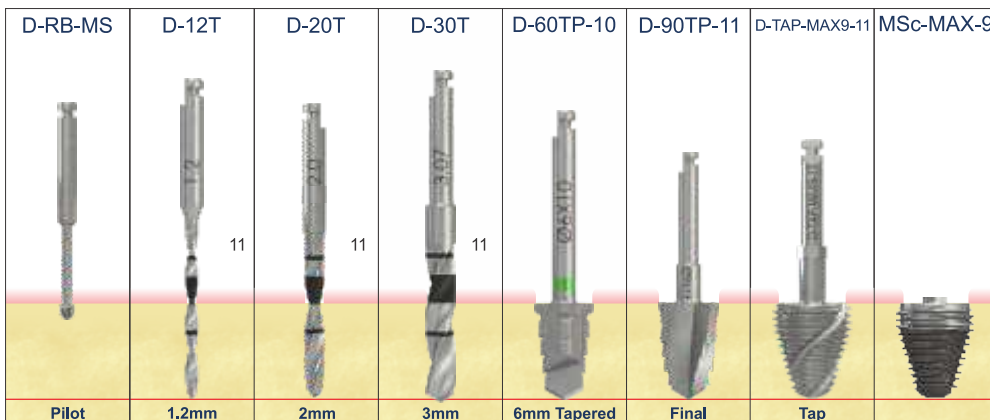
D-TAP-MAX9-7
D-TAP-MAX9-9
D-TAP-MAX9-11

Profile Gauges



MAX-9-PG-7
MAX-9-PG-9
MAX-9-PG-11

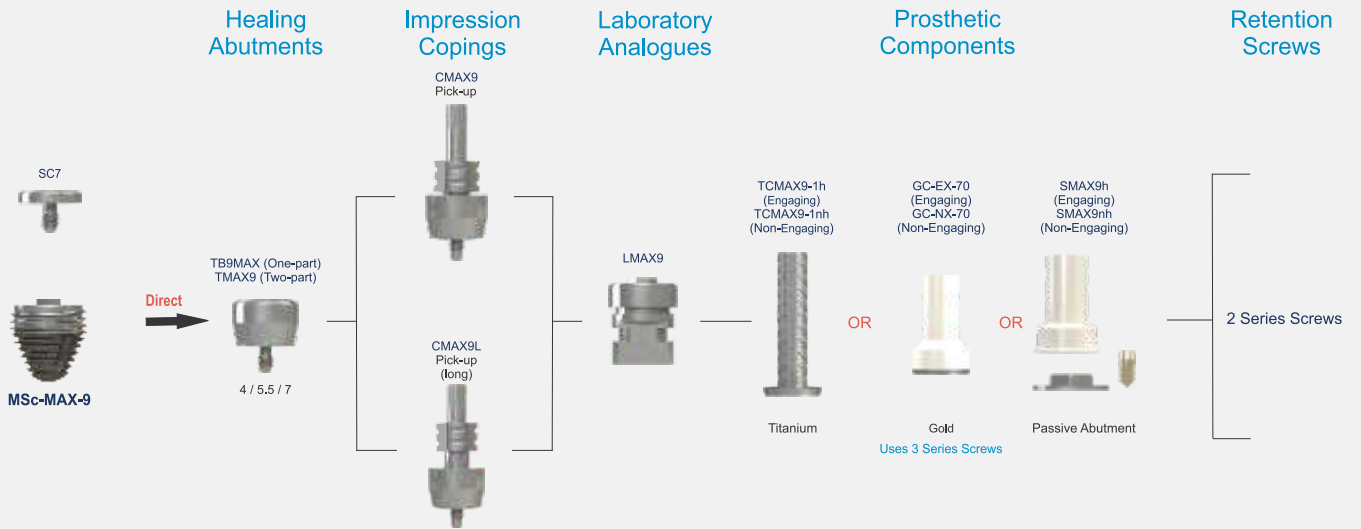
MSc-MAX-9 Site Preparation Sequence



(Illustration is for a 11mm implant)

Earlier revisions of the MSc-MAX drills are 2.4mm longer than the implant. These can easily be identified by the lazer marking on the body of the drill. Current drills are marked on the shank.

MSc-MAX-9 Prosthetic Flowchart



Instrument Information

Bone Mills



I-BM-57

CODE
I-BNM-45
I-BM-57
I-BM-67
I-BAM-62
I-BAM-77
I-BBMM-77

Direction Indicators



I-DI-24d

CODE
I-DI-12d
I-DI-24d
I-DI-36d



I-DIN-12d

CODE
I-DIN-12d
I-DIN-24d
I-DIN-36d

Counter sinks



D-CSS-5

CODE
D-CS-IBN
D-CSS-M
D-CSS-5

Pilot Drills



D-12T-MT15

CODES
D-RB-MS
D-12T-M15
D-16-T

Twist Drills

Soft Bone



D-29T-M15

CODES
D-25T-M15
D-25T-M20
D-29T-M15
D-29T-M20
D-40T-M10
D-40T-M15
D-50T-M13

Medium Bone



D-30T-M15

CODES
D-29T-M15
D-29T-M20
D-30T-M10
D-30T-M15
D-30T-M20
D-43T-M10
D-43T-M15
D-53T-M13

Hard Bone



D-33T-M15

CODES
D-33T-M10
D-33T-M15
D-33T-M20
D-46T-M13
D-56T-M13

Taps - Tapered



D-TAP-IBNT

CODES
D-TAP-IBNT
D-TAP-IBT
D-TAP-BAT
D-TAP-BBNT

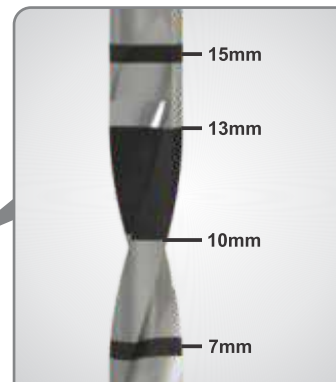
Taps - Cylindrical



D-TAP-IBS

CODES
D-TAP-IBN
D-TAP-IBS
D-TAP-BA
D-TAP-BBBS

Twist Drill Markings



Southern Implants Screws

Retaining Screws

1 Series

Gold



Slotted - GSS1
Unigrip - GSU1
Hex - GSH1

Titanium



Slotted - TSS1
Unigrip - TSU1
Hex - TSH1

2 Series

Gold



Slotted - GSS2
Unigrip - GSU2
Quad - GSQ2

Titanium



Slotted - TSS2
Unigrip - TSU2
Hex - TSH2

2 Series Z

Gold



Slotted - GSSZ2
Unigrip - GSUZ2
Quad - GSQZ2

Titanium



Slotted - TSSZ2
Unigrip - TSUZ2
Hex - TSHZ2

3 Series

Gold



Slotted - GSS3
Unigrip - GSU3
Quad - GSQ3

Titanium



Slotted - TSS3
Unigrip - TSU3
Hex - TSH3

3 Series Z

Gold



Slotted - GSSZ3
Unigrip - GSUZ3
Quad - GSQZ3

Titanium



Slotted - TSSZ3
Unigrip - TSUZ3
Hex - TSHZ3

9 Series

Gold



Slotted - GSS9
Unigrip - GSU9

Titanium



Unigrip - TSU9

9 Series Z

Gold



Unigrip - GSUZ9

Titanium



Unigrip - TSUZ9

Series 1 Screws (M1.4)

10-15Ncm

Head Diameter 2.25mm

Series 2 & 2Z Screws (M2)

32-40Ncm

Head Diameter 2.70mm

Series 3 & 3Z Screws (M2)

32-40Ncm

Head Diameter 2.40mm

Series 9 & 9Z Screws (M2)

15-20Ncm

Head Diameter 2.50mm

Special head for use with Angled Compact Conical Abutments

NOTE: Always ensure that the correct screw is used for the relevant implant and component to avoid complications.

The innovative designs of our angled implants require a shorter length screw. In addition, certain cylinders and abutments require varied screw head diameters and design, therefore the need for 2, 3, 9 and Z Series screws.

Blackened Brass

Laboratory Screws - (Lab use only)

1 Series



Slotted - BSS1
Hex - BSH1

2 Series



Slotted - BSS2
Hex - BSH2

3 Series



Slotted - BSS3
Hex - BSH3

..S = Slotted Connection 

..U = Unigrip Connection 

..H = Hexed Connection 

..Q = Quad Connection 

G.. = Gold Alloy

T.. = Gr. 5 Titanium Alloy

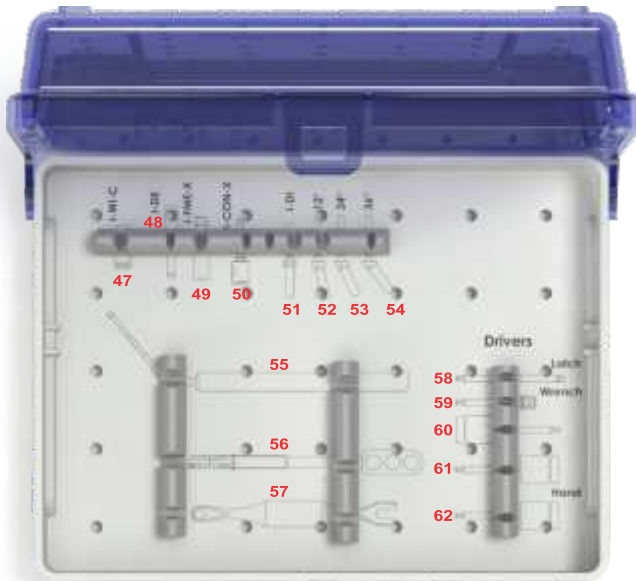
B.. = Brass

Screw Code Nomenclature

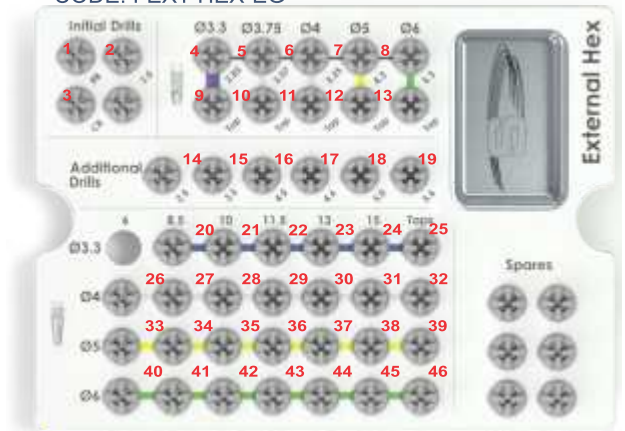
T	Titanium
S	Screw
U	Unigrip
Z	Z Series
2	Series 2 (screw head Ø2.70)

I-EXT-HEX-EG For surgical placement of MSc EX HEX Implant.

(for Cleaning & Sterilization instructions see CAT-1039)



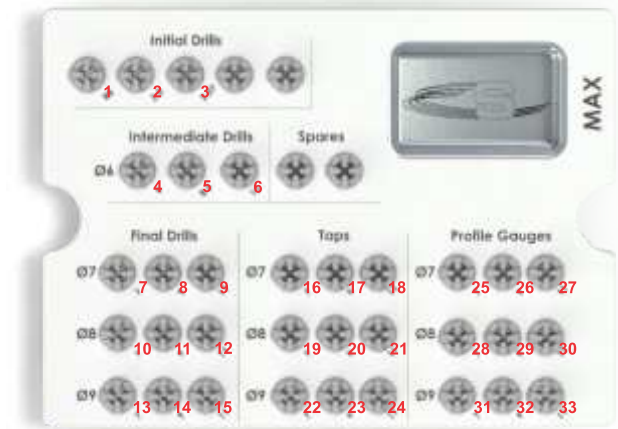
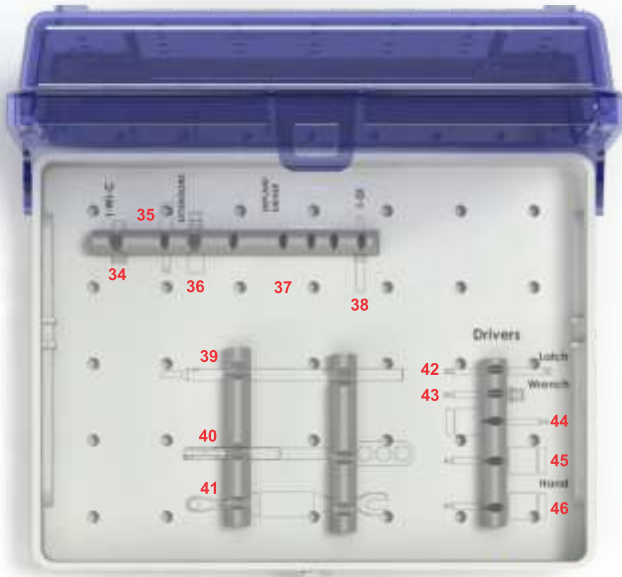
CODE: I-EXT-HEX-EG



The surgical tray is made from highly shock-resistant plastic materials that are suitable for autoclave sterilization. The material is certified for over 1000 sterilization cycles.

1	D-RB-MS	Round Burr	32	D-TAP-IBT	Ø4.0 Tap, Tapered
2	D-20T	Ø2.0 Twist Drill	33	D-50TP-6	Ø5.0 x 6mm, Tapered Drill
3	D-CB	Counter Bore	34	D-50TP-8.5	Ø5.0 x 8.5mm, Tapered Drill
4	D-29T	Ø2.85 Twist Drill	35	D-50TP-10	Ø5.0 x 10mm, Tapered Drill
5	D-30T	Ø3.07 Twist Drill	36	D-50TP-11.5	Ø5.0 x 11.5mm, Tapered Drill
6	D-33T	Ø3.25 Twist Drill	37	D-50TP-13	Ø5.0 x 13mm, Tapered Drill
7	D-43T	Ø4.3 Twist Drill	38	D-50TP-15	Ø5.0 x 15mm, Tapered Drill
8	D-53T	Ø5.3 Twist Drill	39	D-TAP-BAT	Ø5.0 Tap, Tapered
9	D-TAP-IBN	Ø3.25 Tap, Straight	40	D-60TP-6	Ø6.0 x 6mm, Tapered Drill
10	D-TAP-IBS	Ø3.75 Tap, Straight	41	D-60TP-8.5	Ø6.0 x 8.5mm, Tapered Drill
11	D-TAP-I4B	Ø4.0 Tap, Straight	42	D-60TP-10	Ø6.0 x 10mm, Tapered Drill
12	D-TAP-BA	Ø5.0 Tap, Straight	43	D-60TP-11.5	Ø6.0 x 11.5mm, Tapered Drill
13	D-TAP-BBBS	Ø6.0 Tap, Straight	44	D-60TP-13	Ø6.0 x 13mm, Tapered Drill
14	D-25T	Ø2.5 Twist Drill	45	D-60TP-15	Ø6.0 x 15mm, Tapered Drill
15	D-35T	Ø3.5 Twist Drill	46	D-TAP-BBBT	Ø6.0 Tap, Tapered
16	D-40T	Ø4.0 Twist Drill	47	I-WI-CS/L	Converter from Handpiece to Wrench
17	D-46T	Ø4.6 Twist Drill	48	I-DE-MN	Drill Extension
18	D-50T	Ø5.0 Twist Drill	49	I-FME-XS/M/L	Fixture Mount Extension
19	D-56T	Ø5.6 Twist Drill	50	I-CON-X/XS	Connector to Handpiece
20	D-34TP-8.5	Ø3.4 x 8.5mm, Tapered Drill	51	I-DI	Direction Indicator
21	D-34TP-10	Ø3.4 x 10mm, Tapered Drill	52	I-DI-12d	Direction Indicator, 12°
22	D-34TP-11.5	Ø3.4 x 11.5mm, Tapered Drill	53	I-DI-24d	Direction Indicator, 24°
23	D-34TP-13	Ø3.4 x 13mm, Tapered Drill	54	I-DI-36d	Direction Indicator, 36°
24	D-34TP-15	Ø3.4 x 15mm, Tapered Drill	55	I-DG	Depth Gauge
25	D-TAP-IBNT	Ø3.25 Tap, Tapered	56	I-RATCHET-2	Ratchet Wrench
26	D-40TP-6	Ø4.0 x 6mm, Tapered Drill	57	I-SP-X	Flat Spanner
27	D-40TP-8.5	Ø4.0 x 8.5mm, Tapered Drill	58	I-HHD-22S/M/L	Handpiece Hex driver
28	D-40TP-10	Ø4.0 x 10mm, Tapered Drill	59	I-WI-22S/M/L	Wrench Insert Hex driver
29	D-40TP-11.5	Ø4.0 x 11.5mm, Tapered Drill	60	I-HD-S/M/L	Hand Held Hex driver
30	D-40TP-13	Ø4.0 x 13mm, Tapered Drill	61	I-BD-S/M/L	Hand Held Blade driver
31	D-40TP-15	Ø4.0 x 15mm, Tapered Drill	62	I-CS-HD	Hand Held, Cover Screw, Hex Driver

I-MAX-EG For surgical placement of MSc-MAX Implant.
(for Cleaning & Sterilization instructions see CAT-1039)

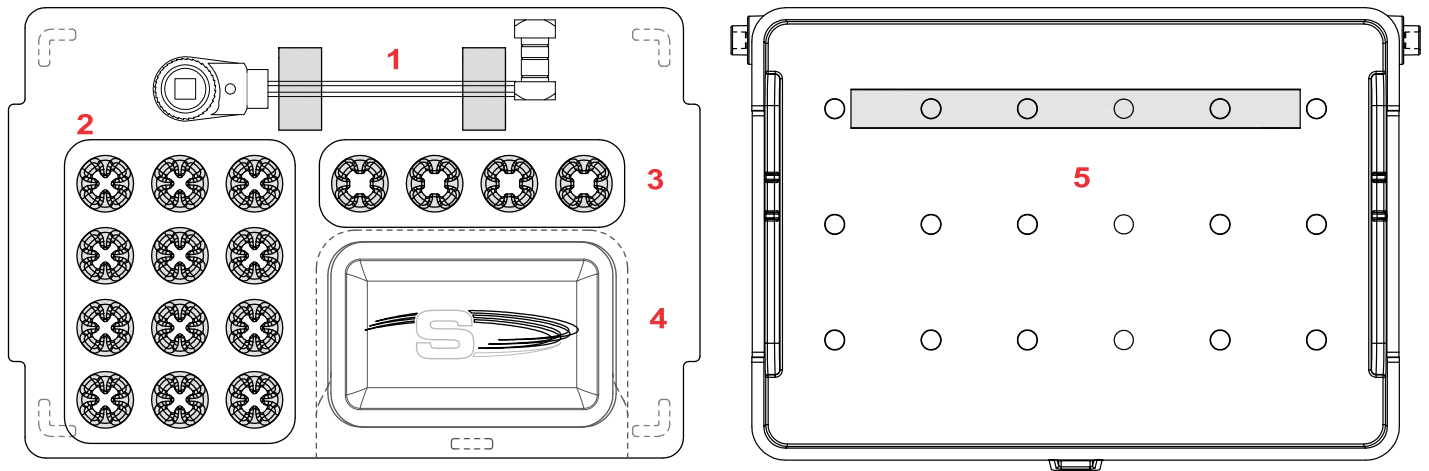


The surgical tray is made from highly shock-resistant plastic materials that are suitable for autoclave sterilization. The material is certified for over 1000 sterilization cycles.

1	D-RB-MS	Round Burr	24	D-TAP-MAX-9-11	Ø9.0 X 11mm Tap, Tapered
2	D-20T	Ø2.0 Twist Drill	25	MAX-7-PG-7	Ø7.0 X 7mm, Profile Gauge
3	D-30T	Ø3.0 Twist Drill	26	MAX-7-PG-9	Ø7.0 X 9mm, Profile Gauge
4	D-60TP-6	Ø6.0 x 6mm, Tapered Drill	27	MAX-7-PG-11	Ø7.0 X 11mm, Profile Gauge
5	D-60TP-8,5	Ø6.0 X 8,5mm, Tapered Drill	28	MAX-8-PG-7	Ø8.0 X 7mm, Profile Gauge
6	D-60TP-10	Ø6.0 X 10mm, Tapered Drill	29	MAX-8-PG-9	Ø8.0 X 9mm, Profile Gauge
7	D-70TP-7	Ø7.0 X 7mm, Tapered Drill	30	MAX-8-PG-11	Ø8.0 X 11mm, Profile Gauge
8	D-70TP-9	Ø7.0 X 9mm, Tapered Drill	31	MAX-9-PG-7	Ø9.0 X 7mm, Profile Gauge
9	D-70TP-11	Ø7.0 X 11mm, Tapered Drill	32	MAX-9-PG-9	Ø9.0 X 9mm, Profile Gauge
10	D-80TP-7	Ø8.0 X 7mm, Tapered Drill	33	MAX-9-PG-11	Ø9.0 X 11mm, Profile Gauge
11	D-80TP-9	Ø8.0 X 9mm, Tapered Drill	34	I-WI-CS/L	Converter from Handpiece to Wrench
12	D-80TP-11	Ø8.0 X 11mm, Tapered Drill	35	I-DE-MN	Drill Extension
13	D-90TP-7	Ø9.0 X 7mm, Tapered Drill	36	I-FME-XS/M/L	Fixture Mount Extention
14	D-90TP-9	Ø9.0 X 9mm, Tapered Drill	37	I-CON-X/XS	Connector to Handpiece
15	D-90TP-11	Ø9.0 X 11mm, Tapered Drill	38	I-DI	Direction Indicator
16	D-TAP-MAX-7-7	Ø7.0 X 7mm Tap, Tapered	39	MAX-ROD	Rod for Profile Gauge
17	D-TAP-MAX-7-9	Ø7.0 X 9mm Tap, Tapered	40	I-RATCHET-2	Ratchet Wrench
18	D-TAP-MAX-7-11	Ø7.0 X 11mm Tap, Tapered	41	I-SP-X	Flat Spanner
19	D-TAP-MAX-8-7	Ø8.0 X 7mm Tap, Tapered	42	I-HHD-S/M/L	Handpiece Hex Driver
20	D-TAP-MAX-8-9	Ø8.0 X 9mm Tap, Tapered	43	I-WI-22S/M/L	Wrench Insert Hex Driver
21	D-TAP-MAX-8-11	Ø8.0 X 11mm Tap, Tapered	44	I-HD-S/M/L	Hand Held Hex Driver
22	D-TAP-MAX-9-7	Ø9.0 X 7mm Tap, Tapered	45	I-BD-S/M/L	Hand Held Blade Driver
23	D-TAP-MAX-9-9	Ø9.0 X 9mm Tap, Tapered	46	I-CS-HD	Hand Held, Cover Screw, Hex Driver

I-PROS-EG Prosthetic Instrument Tray

(for Cleaning & Sterilization instructions see CAT-1039)



Please Note:

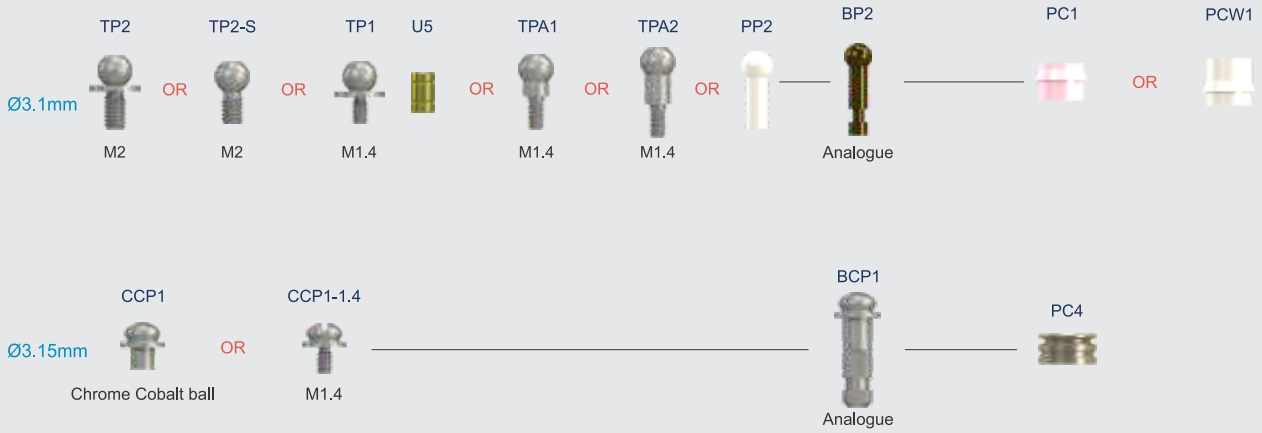
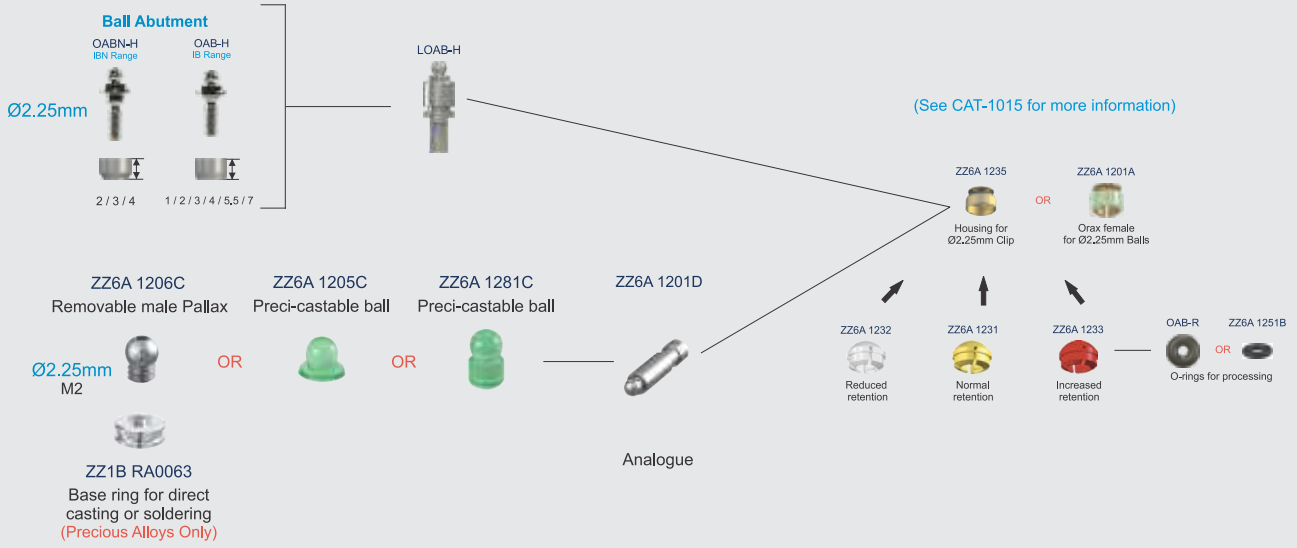
This instrumentation tray is to be “customised by the user” to be suitable for use with the preferred implant system and its prosthetic needs, therefore no pre-determined layout information available.

Basic Layout Information:

1. Dedicated space for torque wrench.
2. Allocated space suitable for drivers (i.e. **Hand Held**, **Handpiece** Inserts and **Torque Wrench** Inserts).
3. Allocated space for wider Instruments (**I-AD** Abutment Driver, **I-OAB-H** Overdenture Ball Abutment Driver, **I-WI-C-S/L** W&H Converter to Wrench, **I-WI-SA** Solid Abutment Driver).
4. Small stainless steel dish for “used items”(also suitable for keeping the **I-FM-H** Fixture Mount Holder).
5. Allocated space for additional items (**I-HAD** Handpiece Abutment Driver, **I-WI-A** Abutment Driver for Torque Wrench).

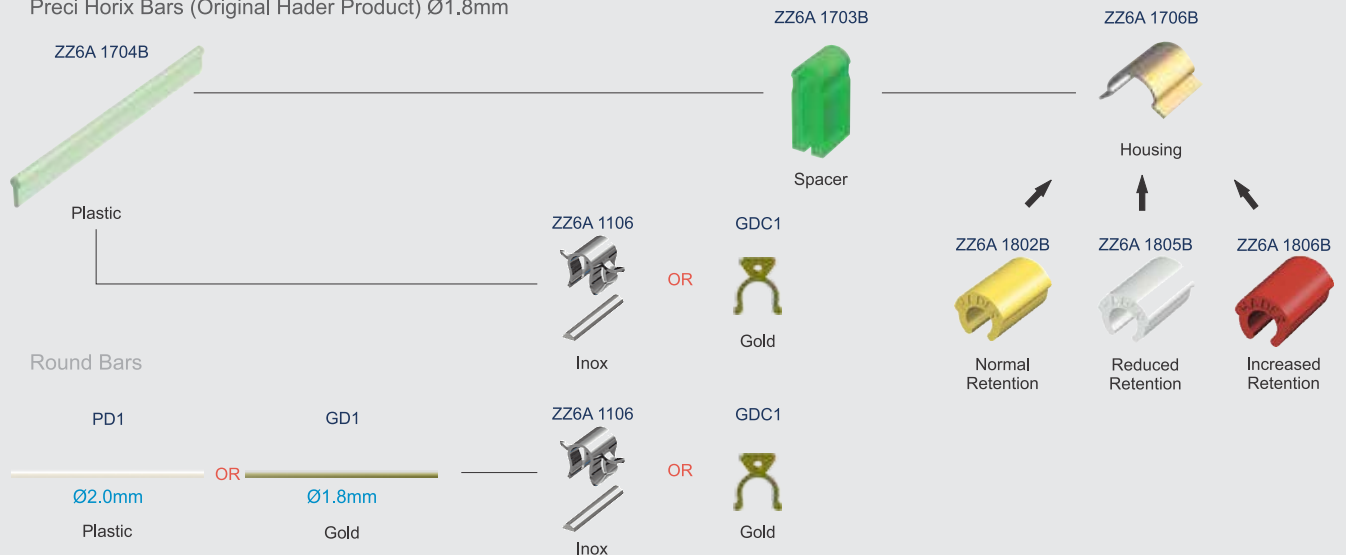
Precision Attachments

Ball Attachments & Clips



Bars










Preci Horix Bars (Original Hader Product) Ø1.8mm











Explanation of symbols

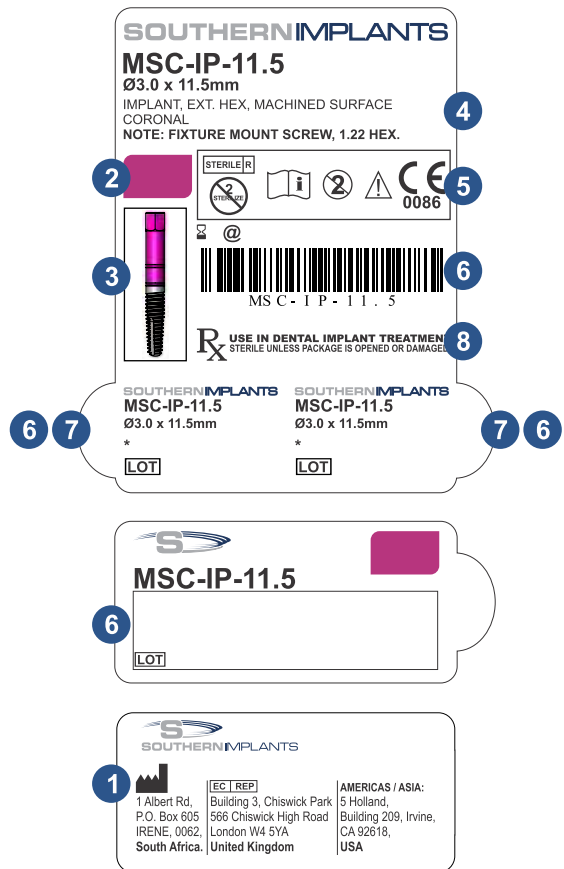
The following symbols are used on our packaging labels and they indicate the following:

- 1  **Manufacturer**
- 2  **Colour code indicating platform diameter**
- 3 **Implant image**
- 4 **Implant details and size**
- 5  **Sterilization using Irradiation**
 -  **Do not Resterilize**
 -  **Consult instruction for use**
 -  **Do not reuse**
 -  **Caution**
 -  **CE mark and notified body number**
 -  **Use by mm-yy**

- 6 **Barcode and LOT Batch code**
Contains the product code.
- 7 **Sticker and LOT Batch code**
For documentation purpose.
- 8  **Prescription device**
CAUTION: FEDERAL LAW RESTRICTS THE DEVICE TO SALE BY THE ORDER OF A LICENCED HEALTH CARE PROVIDER.

Platform diameters

-  Ø3.0
-  Ø6.0
-  Ø3.4
-  Ø4.0
-  Ø5.0

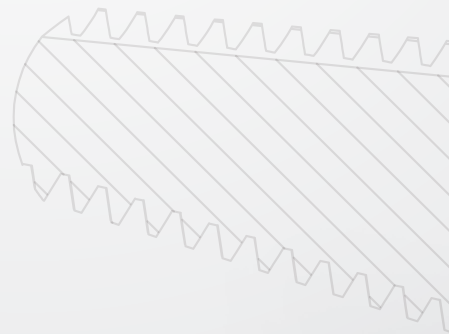


The image shows three views of the MSC-IP-11.5 packaging label with numbered callouts (1-8) corresponding to the legend:

- 1:** Manufacturer logo (Southern Implants).
- 2:** Colour code (pink) indicating platform diameter.
- 3:** Implant image.
- 4:** Implant details and size: MSC-IP-11.5, Ø3.0 x 11.5mm, IMPLANT, EXT. HEX, MACHINED SURFACE, CORONAL. NOTE: FIXTURE MOUNT SCREW, 1.22 HEX.
- 5:** Sterilization using Irradiation (STERILE R icon).
- 6:** Barcode and LOT Batch code.
- 7:** Sticker and LOT Batch code.
- 8:** Prescription device (Rx icon).



The image shows an EC Certificate from BSI (British Standards Institution) for the MSC-IP-11.5 implant. The certificate is issued to Southern Implants (Pty) Ltd, Building 2, Southern Implants Office Park, 1 Albert Road, Cape Town, South Africa. The certificate is valid from 09 March 2018 to 03 May 2020. The certificate is signed by Rita Ford, Director, Quality Assurance. The certificate is titled "EC Certificate - Full Quality Assurance System" and is for the product "MSC-IP-11.5".



For contact information on your nearest distributor,
visit www.southernimplants.com

CAT-2052-00 (C711)