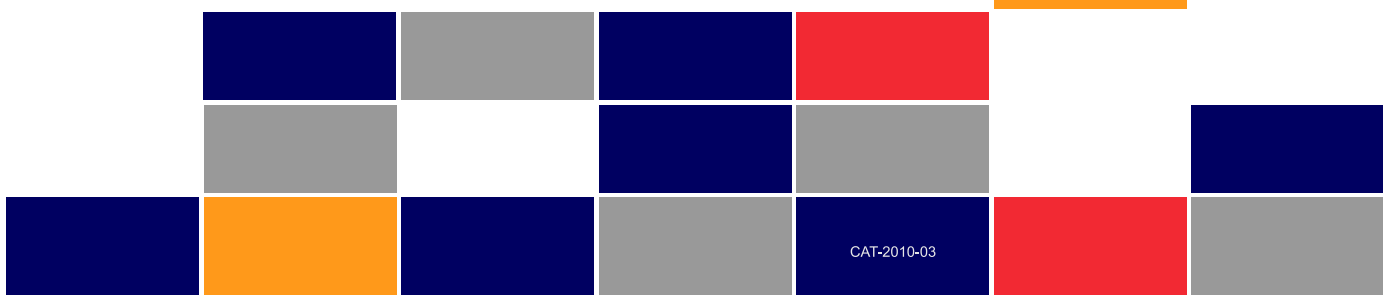


FINGER IMPLANTS CATALOGUE





About Southern Implants:

Southern Implants was established in 1987 as a biomedical engineering firm and has been a leader in innovation. The Southern Group of companies has researched and successfully developed a number of highly specialized biomedical devices ranging from spinal discs to heart valves.

Implant Material and Surface:

The implants are made from ASTM F67-95 Grade 4 Pure Titanium, with minimum tensile strength of 550 MPa. The surface is enhanced with abrasion and chemical conditioning. The surface has been proven by way of extensive animal and clinical trials and has been in use for more than 10 years. Surface topography is: $S_a = 1.43\mu\text{m}$; $S_{cx} = 12.15\mu\text{m}$; $S_{dr} = 50\%$.

Introduction:

The development of the Finger Implant was done in collaboration with a number of surgeons and prosthetists in both South Africa and Europe. With 10 years of extensive testing and development, the Finger Implants have proven to be of major benefit to finger and thumb amputees.

Due to variation in the bone available for placing these implants, custom made implants are very often necessary. Therefore the items presented in this catalogue represent the more common and everyday situations and should be regarded only as a guide as to what Southern Implants can produce.

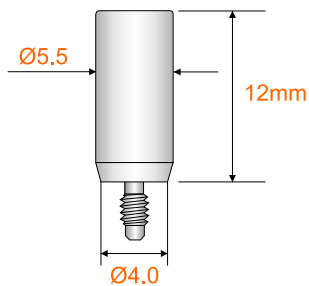
In this catalogue Southern Implants will present two separate designs for finger supporting components, in addition to two different custom implant designs.

Overview

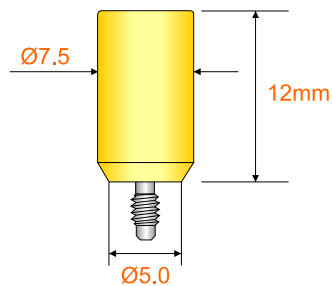
Finger Supporting Components

Temporary Healing Abutments

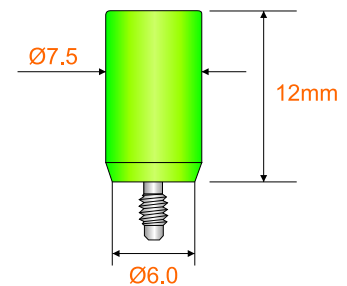
In addition to the normal lengths stocked, the following are also available.



T5B12 (for $\varnothing 4$ IB)

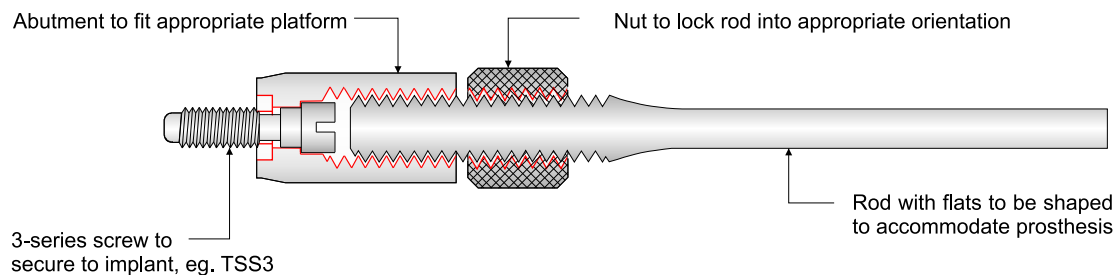


T7BA12 (for $\varnothing 5$ BA)



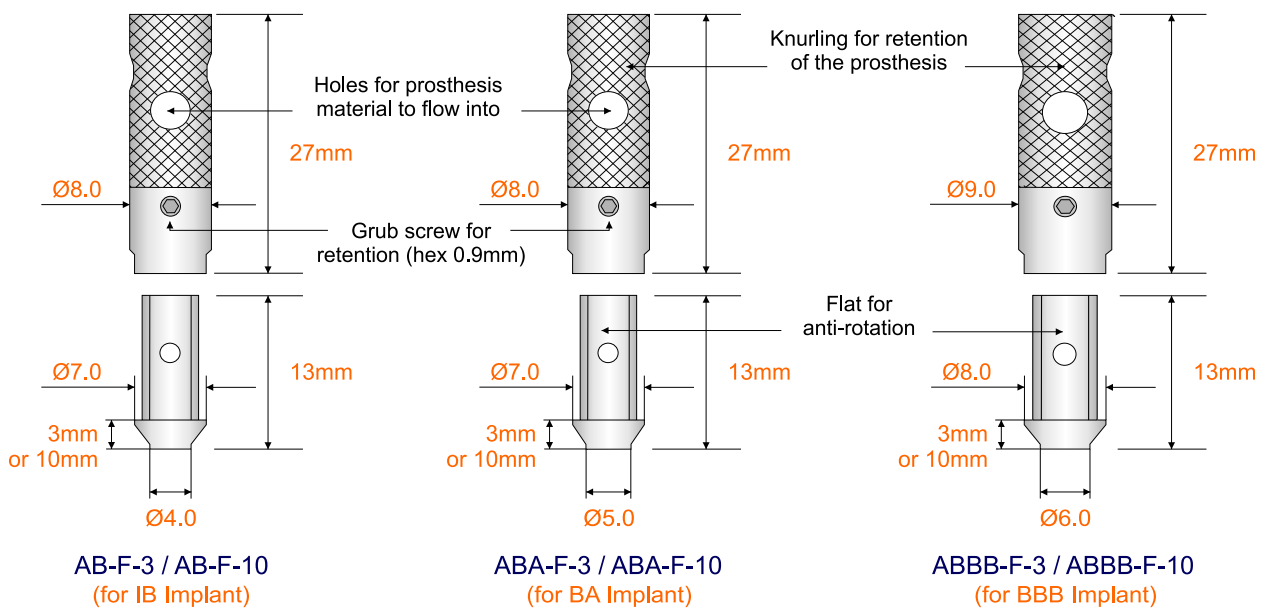
T7BBB12 (for $\varnothing 6$ BBB)

Finger-Supporting Components (Option 1)



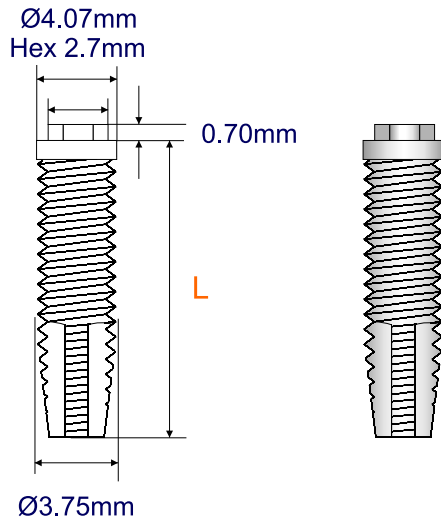
Finger-Supporting Components (Option 2)

These components require a 2-series screw, eg. TSS2.



Implants with 4mm platform

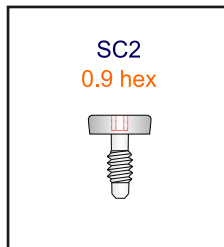
IBS Implant



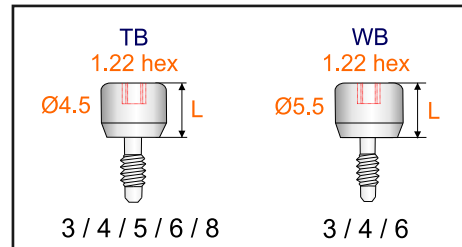
IBS are pre-mounted and available in lengths:

7mm	code: IBS7
8.5mm	code: IBS8.5
10mm	code: IBS10
11.5mm	code: IBS11.5
13mm	code: IBS13
15mm	code: IBS15
18mm	code: IBS18
20mm	code: IBS20
30mm	code: IBS30

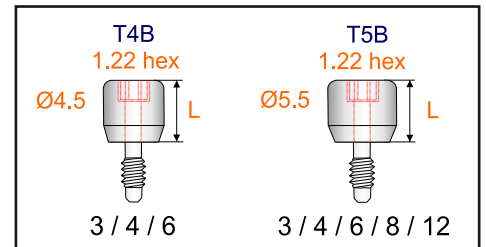
Cover Screw



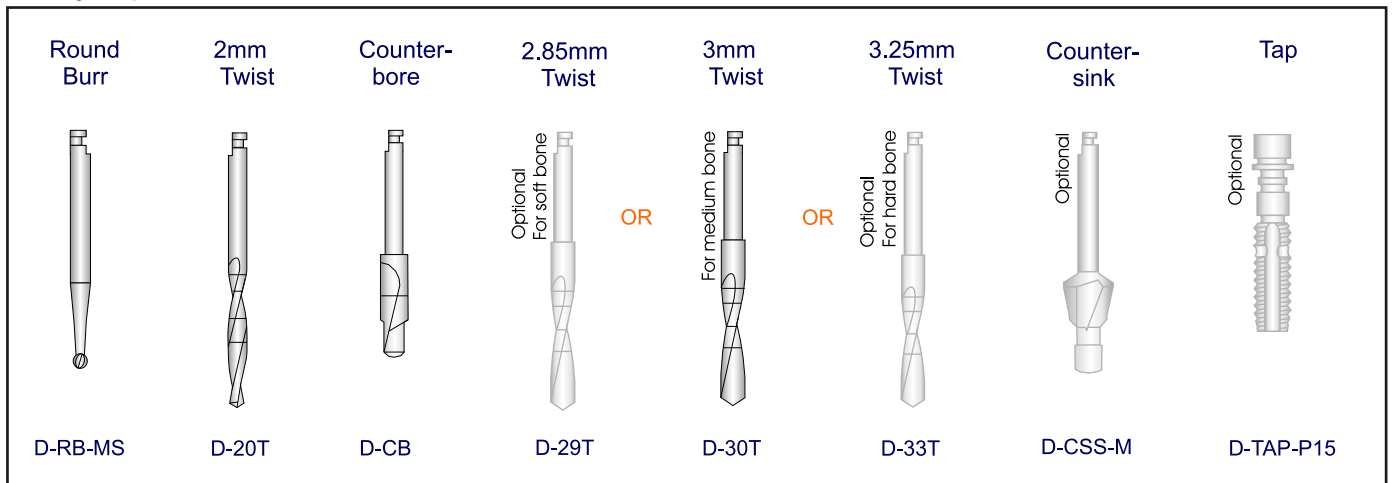
One-part Healing Abutments



Two-part Healing Abutments

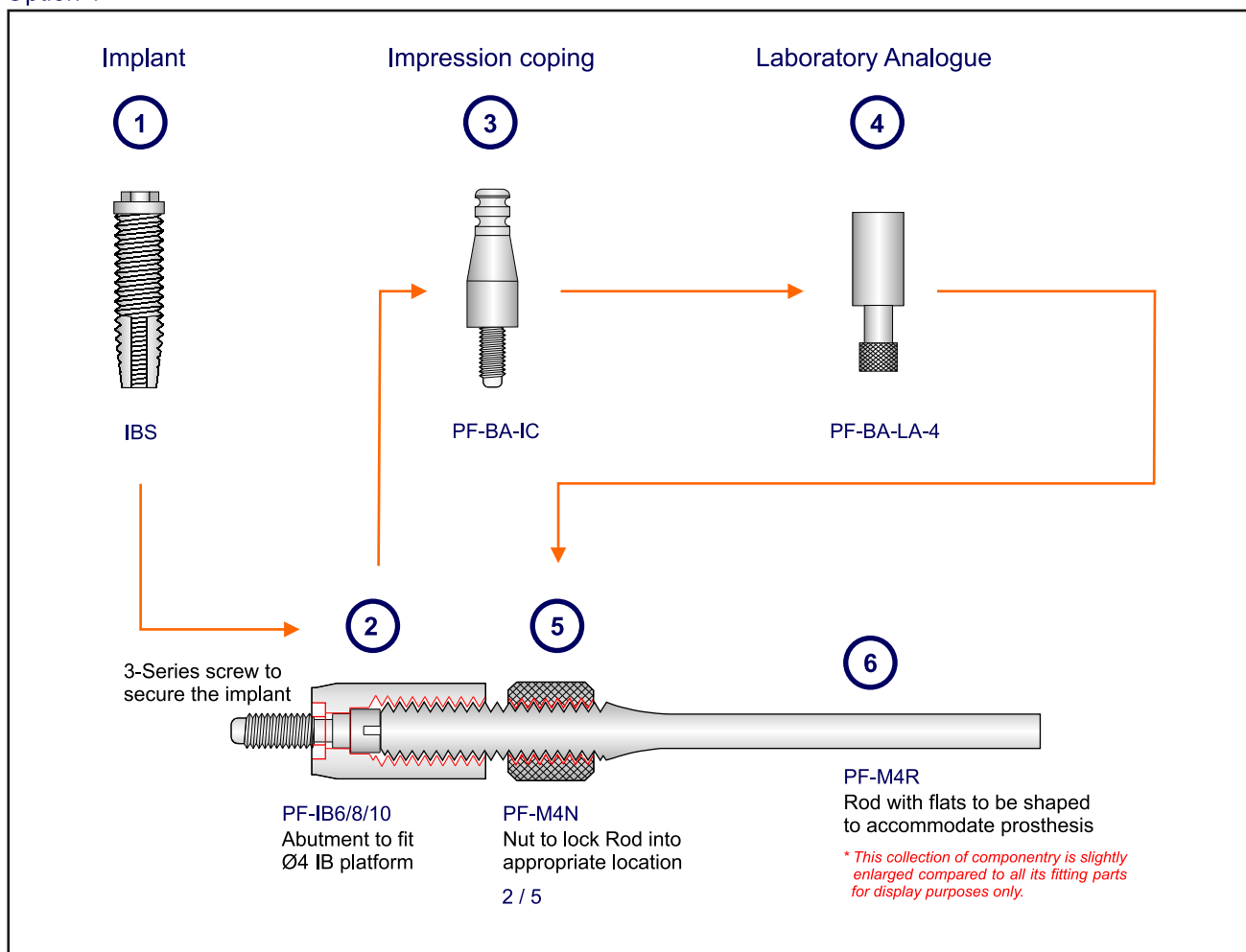


Drilling sequence

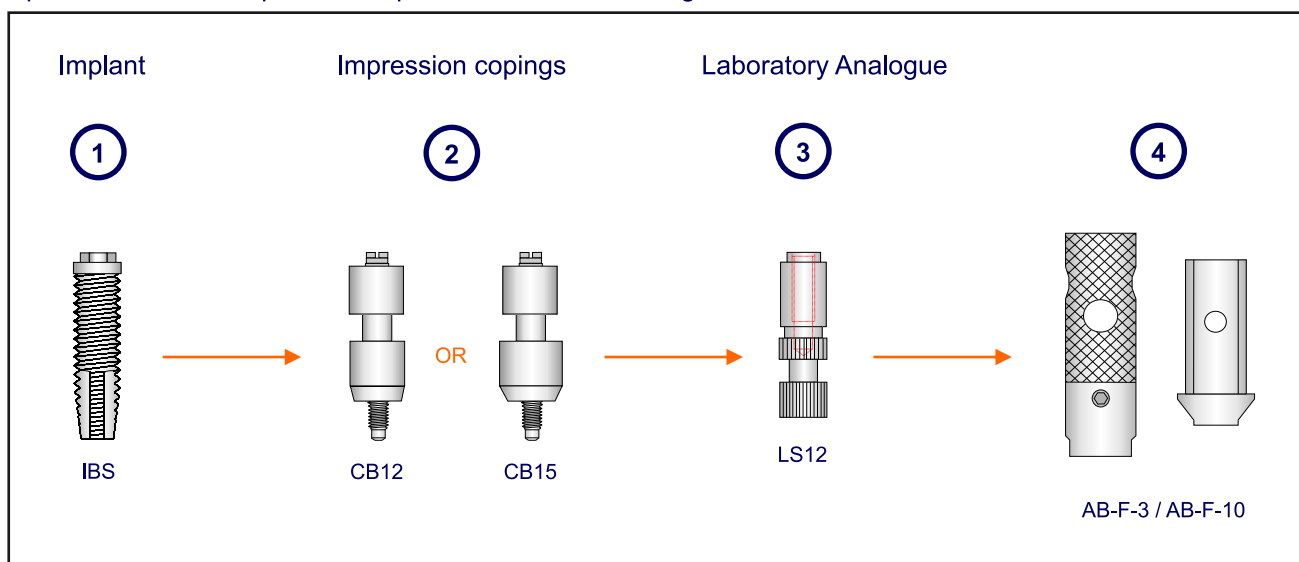


Finger Supporting Components - 4mm platform

Option 1

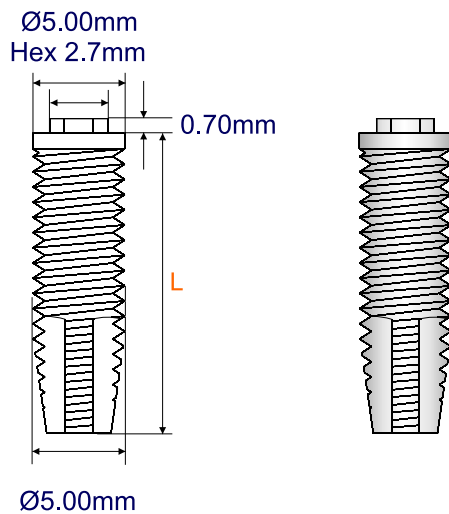


Option 2 - These components require a 2-Series screw, eg. TSS2



Implants with 5mm platform

BA Implant



BA are pre-mounted and available in lengths:

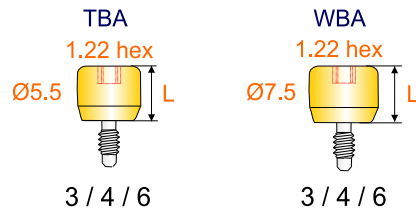
6mm	code: BA6
7mm	code: BA7
8.5mm	code: BA8.5
10mm	code: BA10
11.5mm	code: BA11.5
13mm	code: BA13
15mm	code: BA15
18mm	code: BA18

Cover Screw

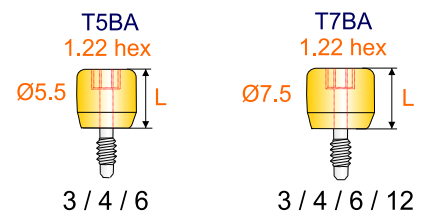
SCA5
0.9 hex



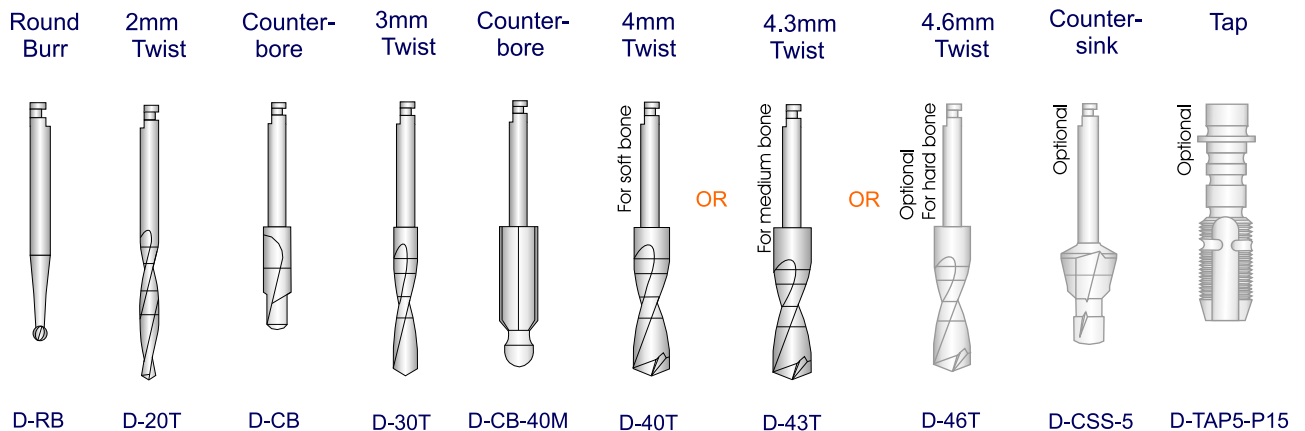
One-part Healing Abutments



Two-part Healing Abutments

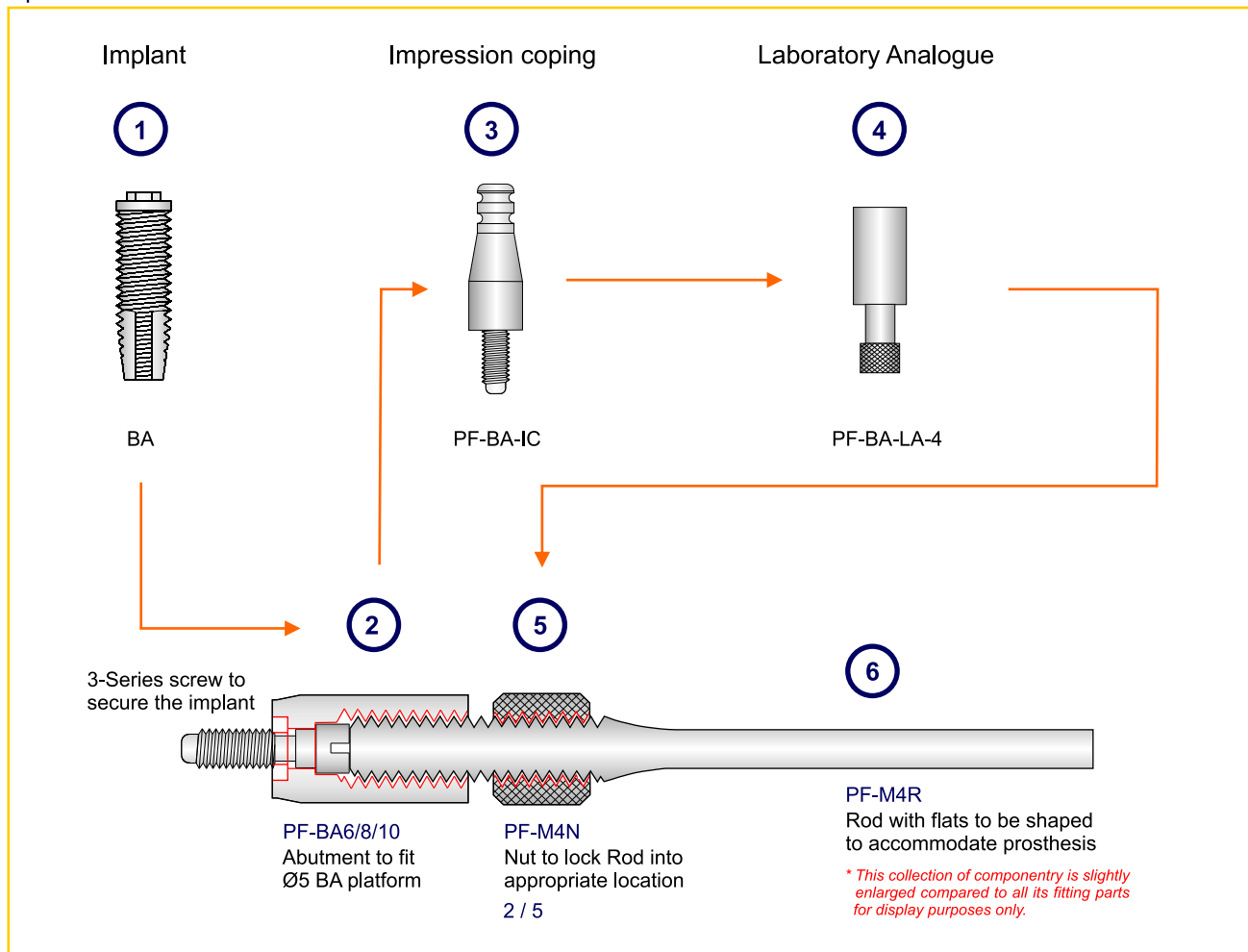


Drilling sequence

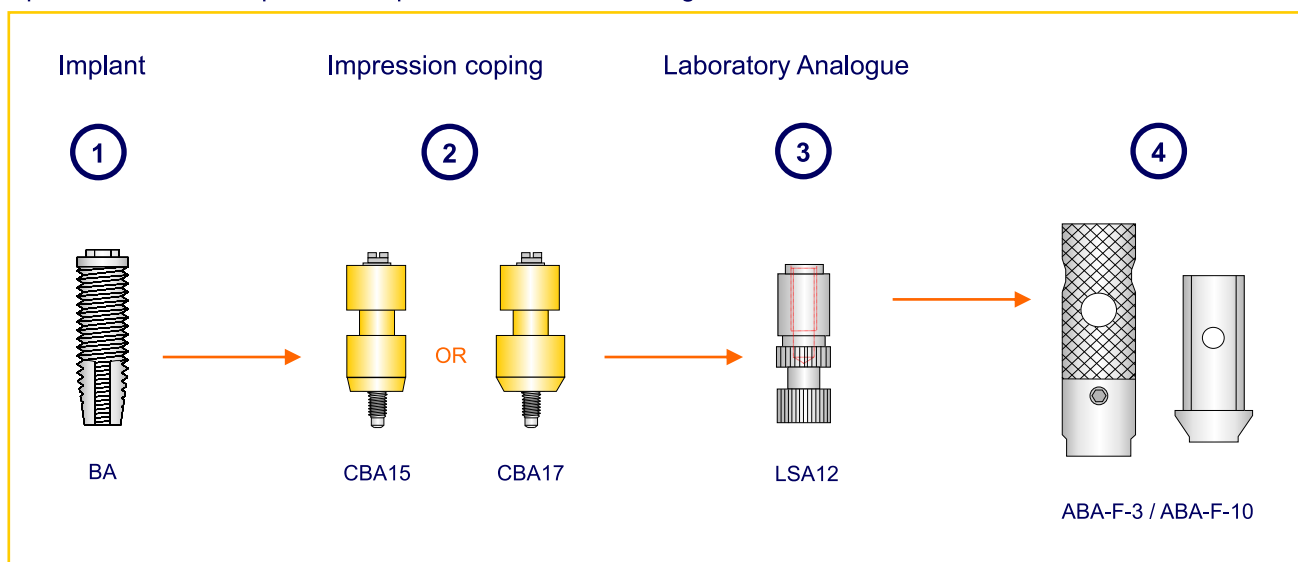


Finger Supporting Components - 5mm platform

Option 1



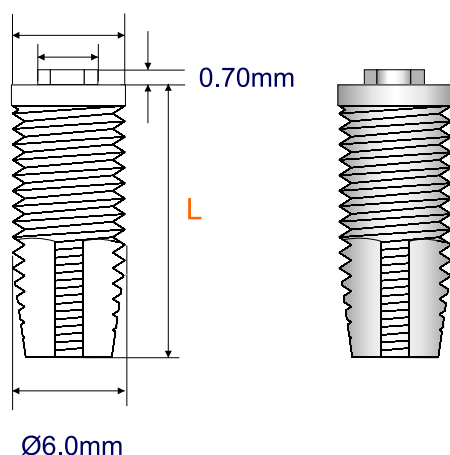
Option 2 - These components require a 2-Series screw, eg. TSS2



Implants with 6mm platform

BBBS Implant

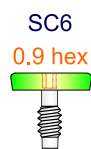
Ø6.00mm
Hex 2.70mm



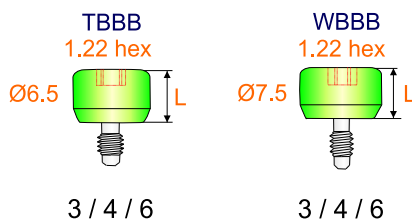
BBBS are pre-mounted
and available in lengths:

Ø6.0	7mm	code: BBBS7
	8.5mm	code: BBBS8.5
	10mm	code: BBBS10
	11.5mm	code: BBBS11.5
	13mm	code: BBBS13
	15mm	code: BBBS15
	30mm	code: BBBS30
Ø7.0	24mm	code: PFR24
Ø8.0	15mm	code: IF15

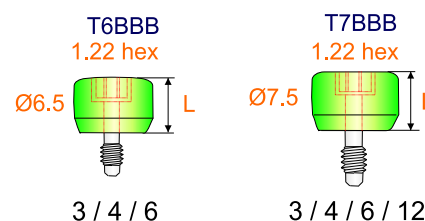
Cover Screw



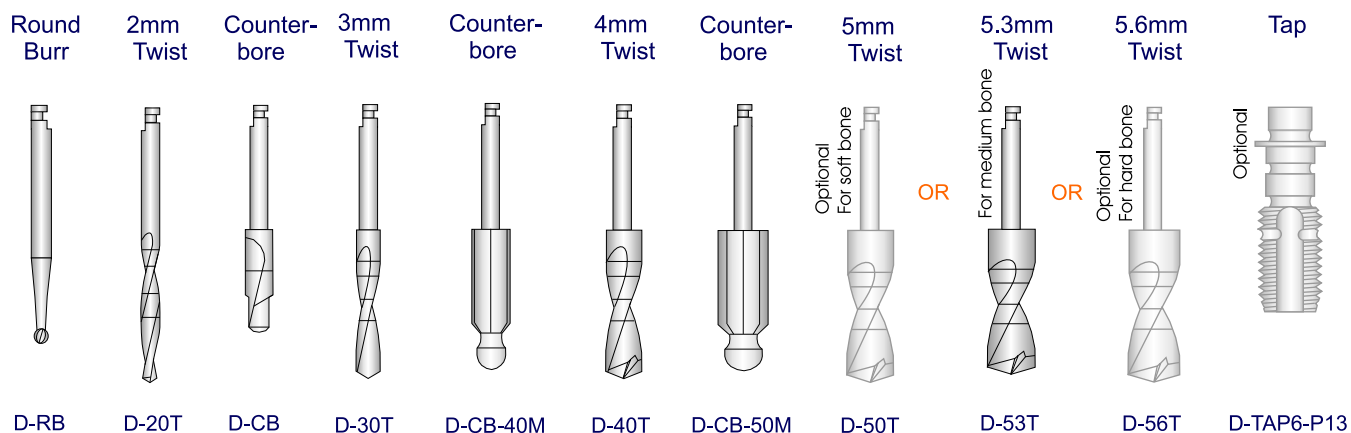
One-part Healing Abutments



Two-part Healing Abutments

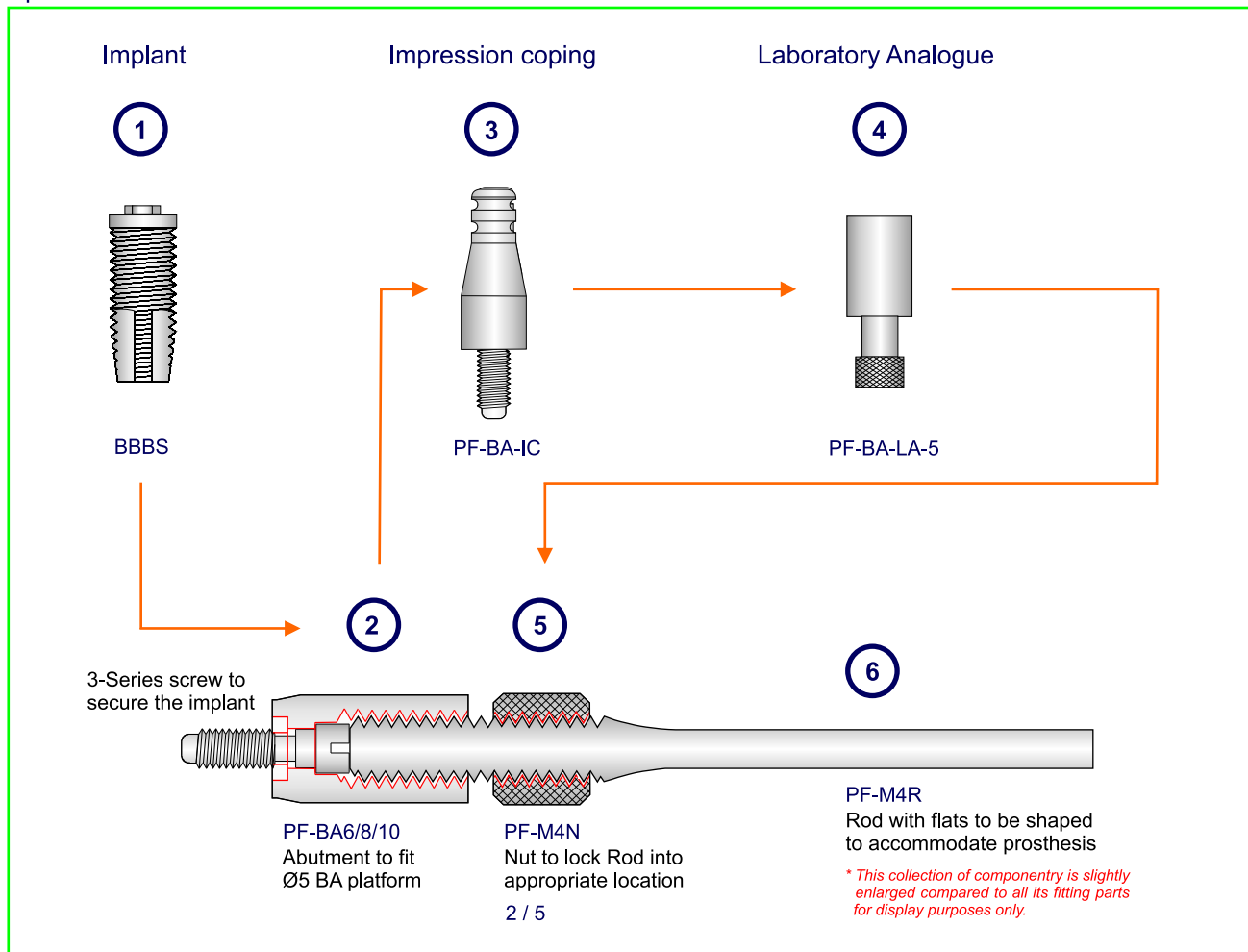


Drilling sequence

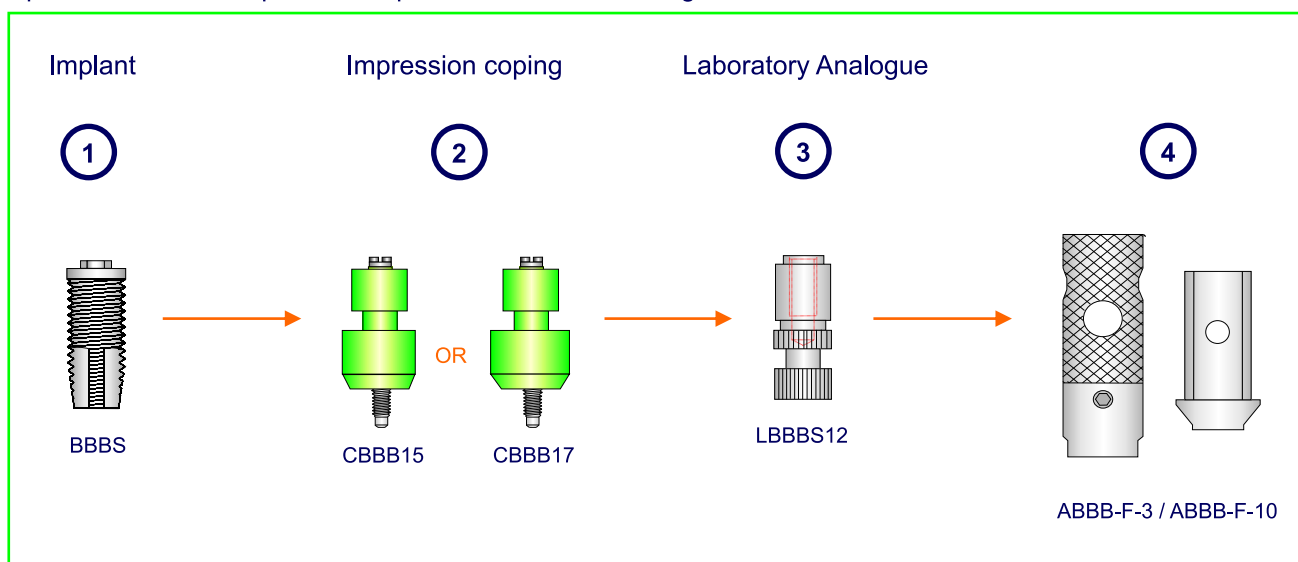


Finger Supporting Components - 6mm platform

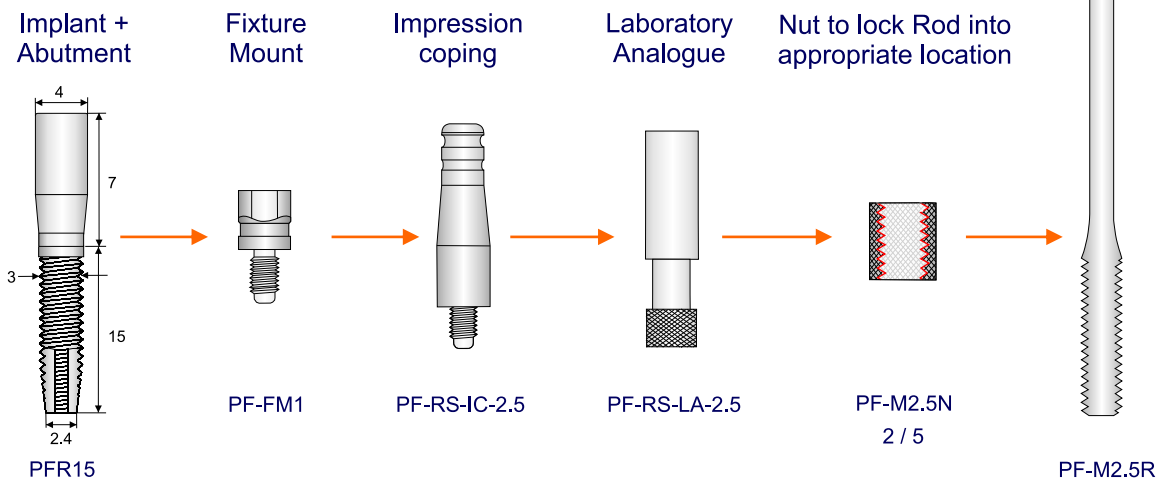
Option 1



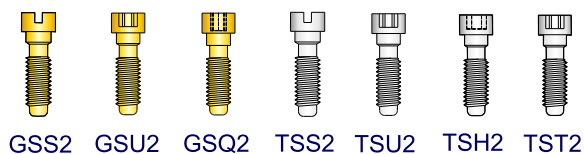
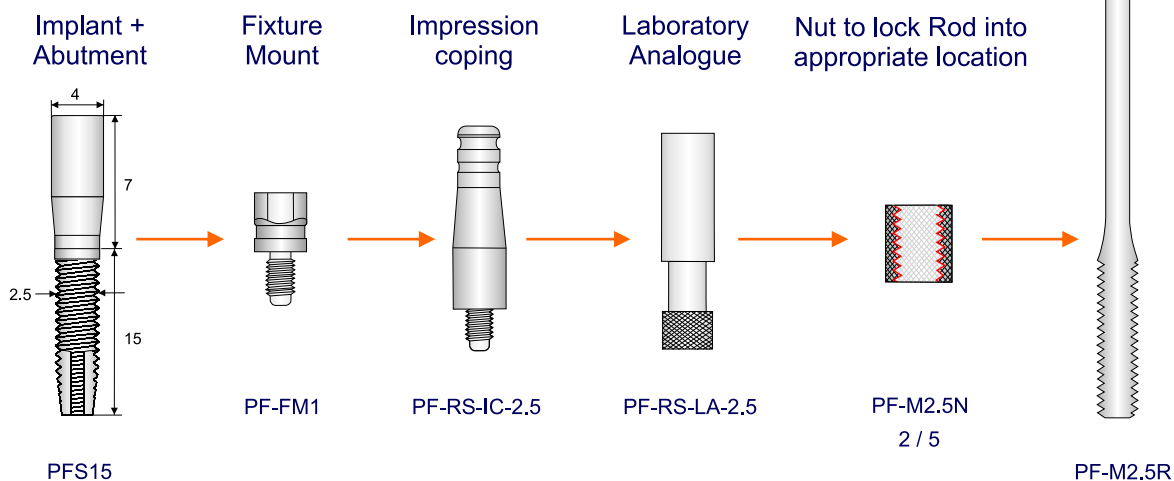
Option 2 - These components require a 2-Series screw, eg. TSS2



Ring-Finger Implants (Implant + Abutment = One Piece)



Small Finger Implant (Implant + Abutment = One Piece)



Series 2 screws (M2)

32-40 Ncm
Head diameter 2.70mm



Series 3 screws (M2)

32-40 Ncm
Head diameter 2.45mm

Case Study

Photographs courtesy of Stephan Kritzing



Implant with abutment.
Prosthetics are only made once sufficient healing
has taken place (+/- 4 months).



Laboratory Components are moulded into shape
in order to provide maximum support to the
prosthesis.



Prosthetic Components.



Final Product.

New Developments

Finger Joint



PF-J



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