

# SV

I M P L A N T

SCREW-VENT® COMPATIBLE

P R O D U C T  
C A T A L O G U E





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**Basalfix** is a dental implant system completely developed and manufactured in Italy, using only certified medical materials sourced from referenced suppliers.

All **Basalfix** implants are made of high strength Titanium Grade 4, according to ASTM F 67 norm.

Various lengths and diameters are available in order to adapt to various clinical cases. They are indicated for multiple rehabilitation only, for both flap and flapless techniques.

The primary packaging of **Basalfix** implants is performed in an ISO 7 type cleanroom to avoid any contamination, in compliance with the sectorial norms.

**Basalfix** medical devices comply with the European Regulation MDR 2017/745. The manufacturer Biomec S.r.l. has been equipped with a quality system ISO 9001 and ISO 13485 since 1998.

# PACKAGE SYSTEM

Outer packaging is made of cardboard and features a useful tear-off opening system.

The packaging design shows the indications regarding the implant line name. The sticker contains also all the specific data of the implant: description, reference number, production batch, sterility expiration date and manufacturer.

Inside the pack there is the sterile tube containing the implant and 3 stickers with description, reference number and production batch of the implant, which must be applied on the patient's medical record, on the implant passport given to the patient and on any further documentation.

The instructions for use are available in digital format, by scanning the QR code on the label or by typing the link on the label. If you wish to receive the instructions for use in paper format, it is always possible to request a free copy from the distributor or the manufacturer.



The SV implant is supplied with cover screw.

All the implants are contained in a plastic material tube sealed with a screw cap with safety ring, tested to guarantee a 5-year sterility.

The sterilisation is performed with BETA rays irradiation validated process, guaranteed and subjected to periodic controls.



#### MOUNT FREE SYSTEM:

- implant and cover screw are placed in a plastic support with a titanium core
- it allows to see implant and cover screw before opening the sterile tube and prevents implant movements for an easier extraction



1.  
unscrew the  
cap of the tube



2.  
extract the holder



3.  
pull out the cover  
screw support from  
the holder



4.  
connect the implant  
to the inserter

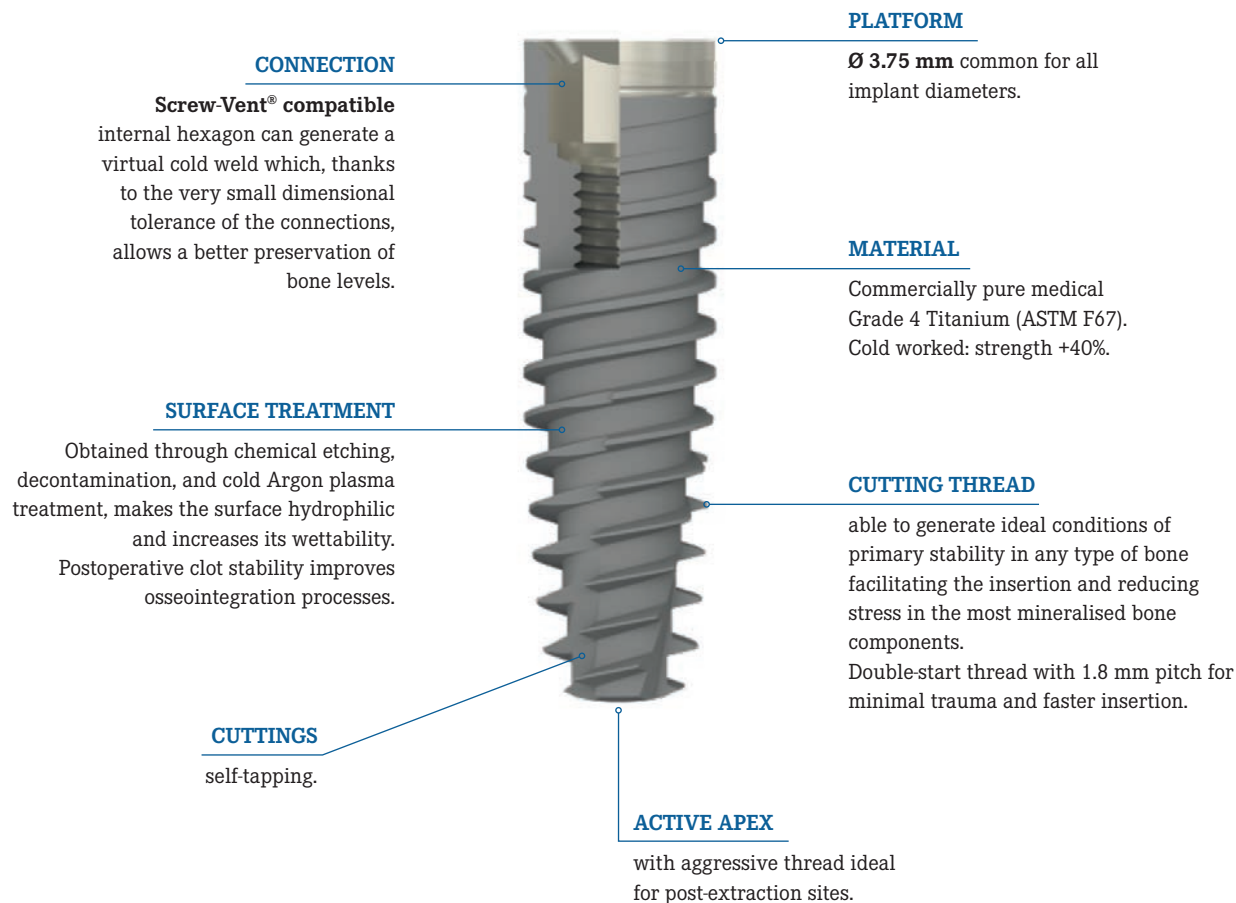


5.  
press the bottom part of  
the holder to release the  
implant



# SV IMPLANT

## GENERAL FEATURES



Screw-Vent® is a registered trademark of Zimmer Biomet.



Ø 3.30 mm



Length	Ref.
8.5 mm	SV1330085
10.0 mm	SV1330100
11.5 mm	SV1330115
13.0 mm	SV1330130
15.0 mm	SV1330150

Ø 3.75 mm



Length	Ref.
8.5 mm	SV1375085
10.0 mm	SV1375100
11.5 mm	SV1375115
13.0 mm	SV1375130
15.0 mm	SV1375150
17.0 mm	SV1375170

Ø 4.25 mm



Length	Ref.
7.0 mm	SV1425070
8.5 mm	SV1425085
10.0 mm	SV1425100
11.5 mm	SV1425115
13.0 mm	SV1425130
15.0 mm	SV1425150

Ø 5.00 mm



Length	Ref.
7.0 mm	SV1500070
8.5 mm	SV1500085
10.0 mm	SV1500100
11.5 mm	SV1500115
13.0 mm	SV1500130

Ø 4.25 mm



Length	Ref.
15.0 mm	SVP425150
18.0 mm	SVP425180
20.0 mm	SVP425200

## PTERYGOID

The pterygoid implant of Ø 4.25 mm is designed to treat the severe atrophy of the upper jaw. The implant neck has a surface microtreatment and a 3 mm high anodisation that allows tissue level placement.

# healing and transfer

- HEALING ABUTMENT  
material: Titanium Grade 5  
tightening torque: 10 Ncm
- IMPRESSION COPING TRANSFER  
OPEN TRAY  
material: Titanium Grade 5  
tightening torque: 10 Ncm
- SNAP-ON CAP FOR CLOSED TRAY  
IMPRESSION COPING *(to be used in combination with antirotational Titanium Base)*  
material: POM-C
- LABORATORY ANALOGUE  
material: Titanium Grade 5



healing  
abutment

H 3.0 mm	SV2352001
H 4.5 mm	SV2352002
H 6.0 mm	SV2352003



impression coping  
trasfer open tray

SV3352004
-----------



snap-on cap  
for closed tray  
impression coping

SV3352006
-----------



laboratory  
analogue

SV4532005
-----------

# digital workflow

- SCAN BODY  
material: Titanium Grade 5 opacified  
tightening torque: 10 Ncm  
fixing screw included
- DIGITAL ANALOGUE  
material: Titanium Grade 5



scan body

SV3356001
-----------



digital analogue

SV4356002
-----------

# cad-cam prosthetic components

- TITANIUM BASE  
material: Titanium Grade 5  
tightening torque: 30 Ncm  
abutment screw included
- COBALT-CHROME BASE  
material: Cobalt-Chrome  
tightening torque: 30 Ncm  
abutment screw included
- CASTABLE ABUTMENT  
material: PMMA  
tightening torque: 30 Ncm  
abutment screw included
- MECHANICAL ANGLED SCREWDRIVER  
material: Hardened stainless steel + DLC coating
- MECHANICAL MANUAL CONVERTER  
material: Hardened stainless steel
- TORX ABUTMENT SCREW FOR ANGLED SCREWING  
material: Titanium Grade 5  
tightening torque: 20 Ncm



rotational  
titanium base

H 1.0 mm	SV2356003
H 2.0 mm	SV2356004



antirotational  
titanium base

H 1.0 mm	SV2356005
H 2.0 mm	SV2356006



rotational  
titanium base slim

H 1.0 mm	SV2356013
H 2.0 mm	SV2356014
H 3.0 mm	SV2356015



antirotational  
titanium base slim

H 1.0 mm	SV2356010
H 2.0 mm	SV2356011
H 3.0 mm	SV2356012



rotational  
cobalt-chrome base

SV2356007
-----------



antirotational  
cobalt-chrome base

SV2356008
-----------



castable abutment  
for titanium and  
cobalt-chrome bases

rot.	SV4500024
antirot.	SV4500025



mechanical  
angled  
screwdriver

short	SV3900001
long	SV3900002



mechanical manual  
converter

SV4900041
-----------



torx abutment screw  
for angled screwing

SV2353013
-----------

2 pieces pack

# fixed prosthetic components

- STRAIGHT ABUTMENT  
material: Titanium Grade 5  
tightening torque: 30 Ncm  
abutment screw included
- ANGLED ABUTMENT  
material: Titanium Grade 5  
tightening torque: 30 Ncm  
abutment screw included
- CASTABLE ABUTMENT  
material: PMMA  
tightening torque: 30 Ncm  
abutment screw included
- ABUTMENT SCREW  
material: Titanium Grade 5  
hex key: 1.27 mm



straight antirotational  
abutment

H 1.5 mm	SV2353001
H 2.5 mm	SV2353002
H 3.5 mm	SV2353003



angled antirotational  
abutment

H 1.5 mm	SV2353004
H 2.5 mm	SV2353005
H 3.5 mm	SV2353006



angled antirotational  
abutment

H 1.5 mm	SV2353007
H 2.5 mm	SV2353008
H 3.5 mm	SV2353009



rotational  
castable abutment

SV4353010
-----------



antirotational  
castable abutment

SV4353011
-----------



abutment  
screw

SV2353012
-----------

2 pieces pack

# overdenture prosthetic components

- BALL ABUTMENT  
material: Titanium Grade 5  
ball diameter: 2.5 mm  
hex key: 1.27 mm  
tightening torque: 30 Ncm  
  
titanium cover and soft retention cap included  
(ref. SV2500026)
- LOC ABUTMENT  
material: Titanium Grade 5  
+ TIN coating  
Hex key 1.27 mm  
tightening torque: 30 Ncm  
  
titanium cover, retention caps and protection  
disk included (ref. SV2500012)  
  
Locator® compatible  
Locator® is a registered trademark of  
Zest Anchors



ball abutment

H 1.5 mm	SV2354001
H 2.5 mm	SV2354002
H 3.5 mm	SV2354003



titanium cover

SV2500001
-----------

2 pieces pack



retention cap

transparent	hard 1,3 kg	SV2500002
pink	soft 0,9 kg	SV2500003
yellow	extra soft 0,5 kg	SV2500004

4 pieces pack



loc abutment

H 1.0 mm	SV2354004
H 2.0 mm	SV2354005
H 3.0 mm	SV2354006
H 4.0 mm	SV2354007



titanium cover

SV2500005
-----------

2 pieces pack



retention cap

yellow	extra soft 0,7 kg	SV2500008
pink	soft 0,9 kg	SV2500007
transparent	standard 1,5 kg	SV2500006
purple	strong 2,8 kg	SV2500009
black	laboratory	SV2500010

4 pieces pack



protection disk

SV2500011
-----------

8 pieces pack

# prosthetic components for immediate load

- STRAIGHT MUA  
material: Titanium Grade 5  
tightening torque: 30 Ncm
- ANGLED MUA  
material: Titanium Grade 5  
tightening torque: 30 Ncm  
screw for angled mua included (ref. SV2355008)
- HEALING CAP FOR MUA  
material: PEEK  
tightening torque: 10 Ncm
- IMPRESSION COPING TRANSFER FOR MUA  
material: Titanium Grade 5  
tightening torque: 10 Ncm  
impression coping transfer screw included
- LABORATORY ANALOGUE FOR MUA  
material: Titanium Grade 5
- SCAN BODY FOR MUA  
material: Titanium Grade 5 Opacified
- DIGITAL ANALOGUE FOR MUA  
material: Titanium Grade 5
- CASTABLE ABUTMENT FOR MUA  
material: PMMA  
tightening torque: 15 Ncm  
screw included
- TEMPORARY ABUTMENT FOR MUA  
material: Titanium Grade 5  
tightening torque: 15 Ncm  
screw included
- COBALT-CHROME COVER FOR MUA  
material: Cobalt-Chrome  
tightening torque: 15 Ncm  
screw included
- PROSTHETIC SCREW FOR MUA  
material: Titanium Grade 5
- TORX PROSTHETIC SCREW MUA FOR ANGLED SCREWING  
material: Titanium Grade 5  
tightening torque: 15 Ncm

0°



straight mua  
abutment

H 1.0 mm	SV2355001
H 2.0 mm	SV2355002
H 3.0 mm	SV2355003

17°



angled mua  
abutment

H 2.0 mm	SV2355004
H 3.0 mm	SV2355005

30°



angled mua  
abutment

H 3.0 mm	SV2355006
H 4.0 mm	SV2355007



healing cap  
for mua

SV2500014



impression coping  
transfer for mua

H 9 mm SV3500015  
H 11 mm SV3500023



laboratory analogue  
for mua

SV4500016



scan body  
for mua

SV3500017



digital analogue  
for mua

SV4500018



castable abutment  
for mua

SV4500019



temporary abutment  
for mua  
with cut guide

SV2500020



cobalt-chrome cover  
for mua rotational

SV2500021



prosthetic screw  
for mua

SV2500013

tightening torque: 15 Ncm



torx prosthetic screw  
mua for angled  
screwing

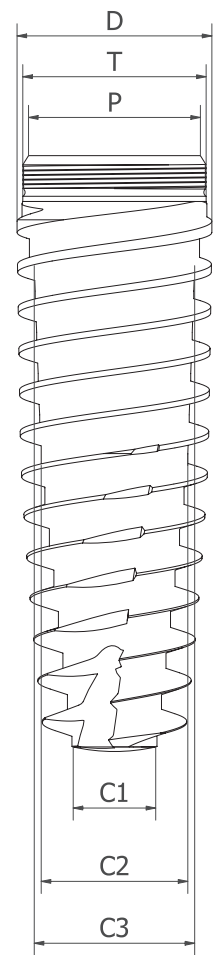
SV2500022

tightening torque: 15 Ncm



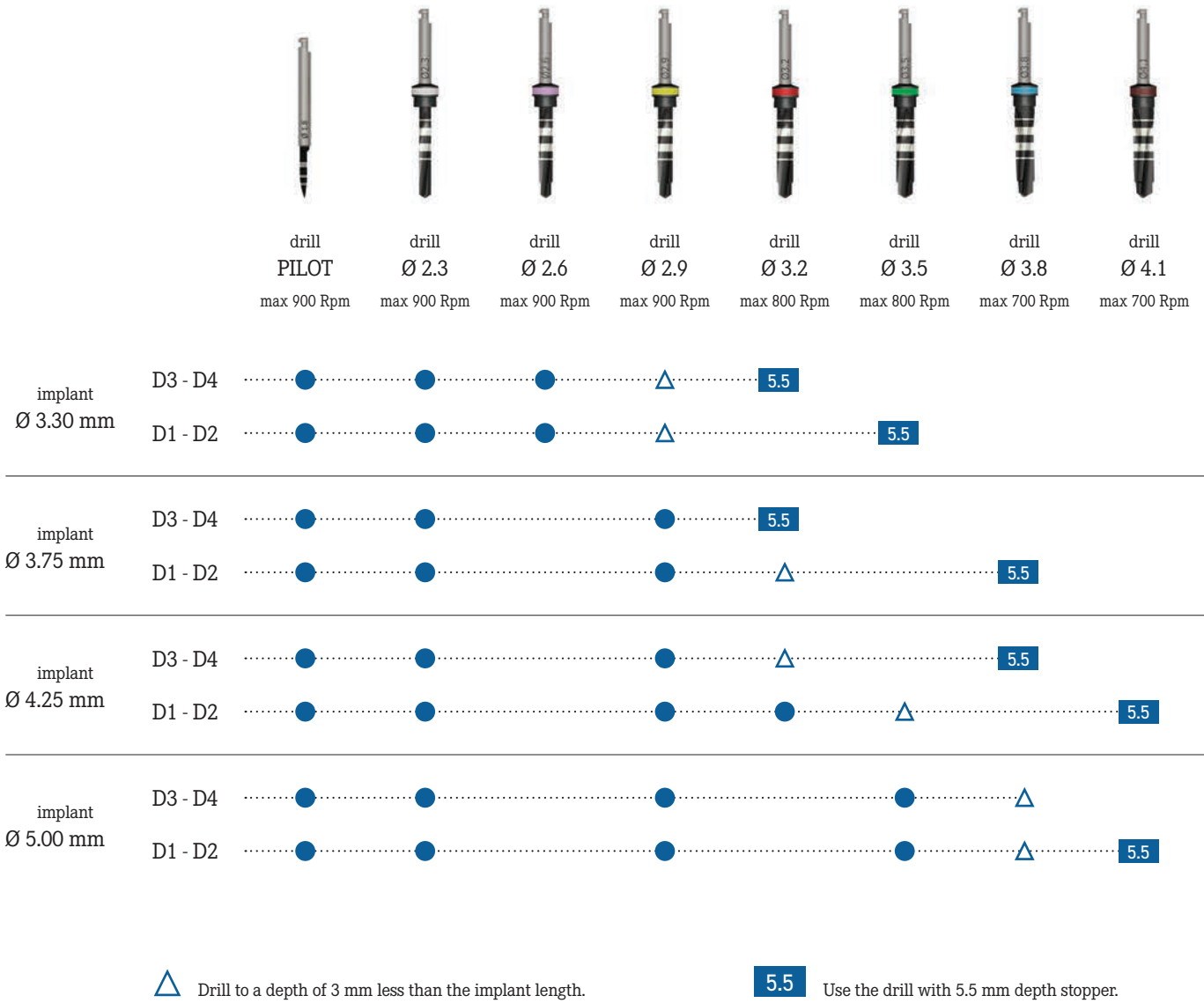
# SURGICAL KIT

ref. SVBOX001



D implant diameter (mm)	3.30	3.75	4.25	5.00
T head diameter	3.75	3.75	4.00	4.00
P platform diameter	3.75	3.75	3.75	3.75
C1 core diameter apex	1.50	1.70	1.80	2.00
C2 core diameter	2.60	2.90	3.20	3.50
C3	2.90	3.20	3.50	3.80

# DRILLING SEQUENCE SV IMPLANT



# surgical instruments

- DRILLS  
material: Hardened stainless steel  
+ DLC coating
- CALIBRATED STOPPER  
material: Titanium Grade 5
- PARALLEL INDICATOR  
material: Titanium Grade 5
- DRILL EXTENSION  
material: Hardened stainless steel
- MECHANICAL SCREWDRIVER  
material: Hardened stainless steel  
Hex key 1.27 mm
- CYLINDRICAL BONE MILL  
material: Hardened stainless steel  
+ DLC coating
- CONICAL BONE MILL  
material: Hardened stainless steel  
+ DLC coating
- BONE MILL SCREW  
material: Stainless steel
- MECHANICAL INSERTER  
material: Hardened stainless steel  
max. 50 Ncm
- MANUAL DRIVER INSERTER  
material: Hardened stainless steel
- MANUAL SCREWDRIVER  
material: Hardened stainless steel  
Hex key 1.27 mm
- MANUAL DRIVER FOR STRAIGHT  
MUA ABUTMENT  
material: Hardened stainless steel
- TORQUE RATCHET  
material: Stainless steel  
tightening torque: 10÷50 Ncm



pilot  
drill

Ø 1.8 mm SV3SD1800



graduated  
drill

Ø 2.3 mm SV3SD2300



graduated  
drill

Ø 2.6 mm SV3SD2620



graduated  
drill

Ø 2.9 mm SV3SD2923



graduated  
drill

Ø 3.2 mm SV3SD3226



graduated  
drill

Ø 3.5 mm SV3SD3529



graduated  
drill

Ø 3.8 mm SV3SD3832



graduated  
drill

Ø 4.1 mm SV3SD4135

pterygoid  
implant drills



graduated  
drill

Ø 2.3 mm    SV3LD2320  
max 900 Rpm



graduated  
drill

Ø 2.6 mm    SV3LD2620  
max 900 Rpm



graduated  
drill

Ø 2.9 mm    SV3LD2923  
max 900 Rpm



graduated  
drill

Ø 3.2 mm    SV3LD3226  
max 800 Rpm



calibrated stopper

L 5.5 mm	SV3900020
L 7 mm	SV3900021
L 8.5 mm	SV3900022
L 10 mm	SV3900023
L 11.5 mm	SV3900024
L 13 mm	SV3900025
L 15 mm	SV3900026



parallel  
indicator  
Ø 2.3 / 2.9 mm

SV3900027



parallel  
indicator  
Ø 2.3 17°

SV3900035



parallel  
indicator  
Ø 2.3 30°

SV3900036



drill  
extension

SV3900030



countersink  
drill

SV3CSD380

max 300 Rpm



tissue  
punch

SV300TP00

max 100 Rpm



mechanical  
screwdriver  
hex 1.27

short	SV3900015
medium	SV3900016
long	SV3900017
extralong	SV3900018



cylindrical  
bone mill

SV30BMCIL
max 300 Rpm



conical  
bone mill

SV30BMCON
max 300 Rpm



bone mill  
screw

SV3900033
-----------



mechanical inserter

short	SV3900003
medium	SV3900004
long	SV3900005
extralong	SV3900006



manual  
driver inserter

short	SV3900007
medium	SV3900008
long	SV3900009
extralong	SV3900010



manual  
screwdriver  
hex 1.27

short	SV3900011
medium	SV3900012
long	SV3900013
extralong	SV3900014



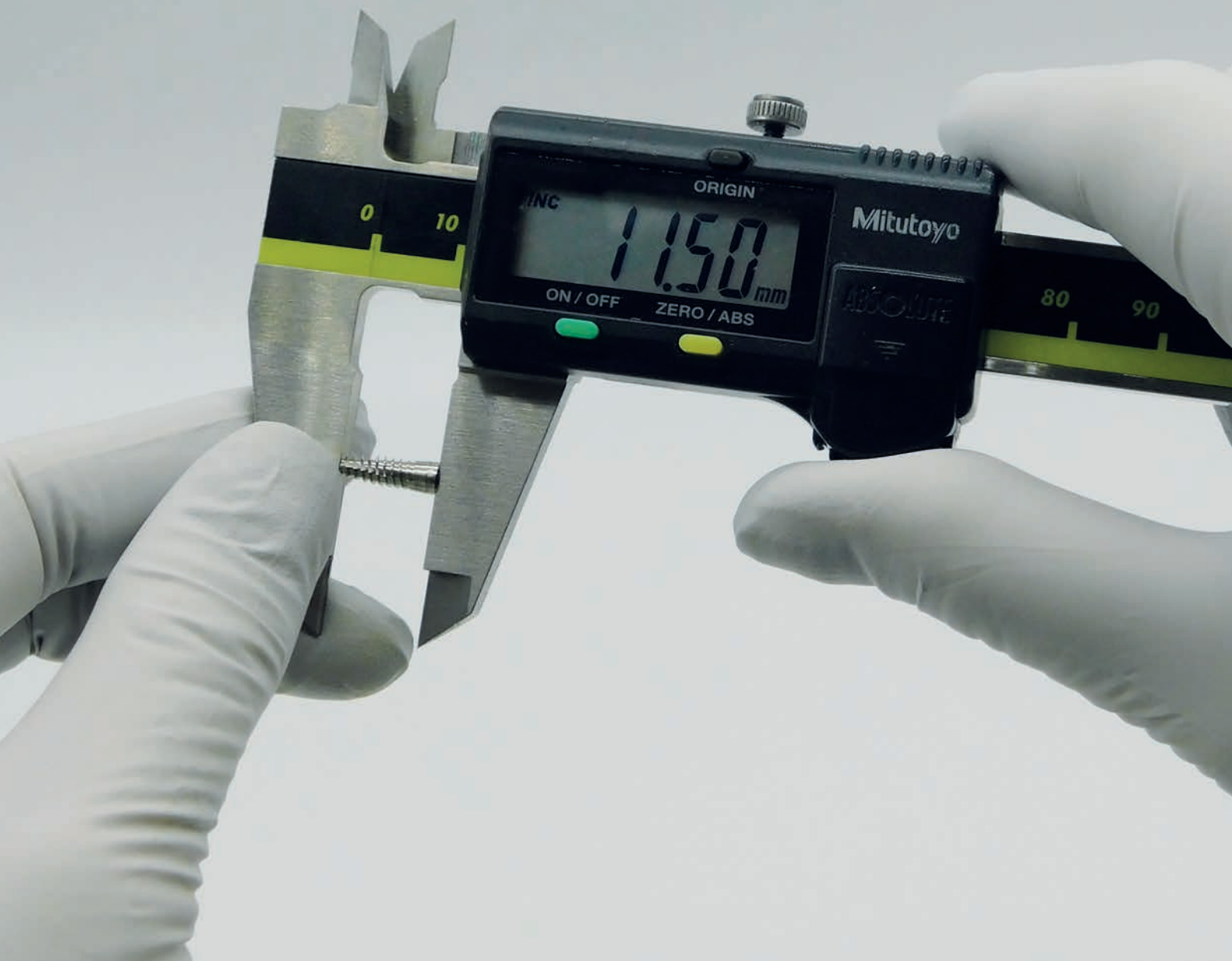
manual driver  
for straight  
mua abutment

SV3900019
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lever  
torque ratchet

SV4900037
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