



I M P L A N T

WIN-Z LINE

SCREW-VENT® COMPATIBLE

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technology

■ BIOMECH DESIGN AND PRODUCTION

Colico is a small town located at the northern arm of Lake Como: lapped by the waters of Lario, which with their continuous movement inspire dynamism and resourcefulness, and protected by the solid rocks of Mount Legnone, a natural example of solidity and perfection.

In 1983 it inspired two young technicians, Olivio Della Bella and Romolo Micheletti, to design and manufacture dental implants: employed by a dental practice to create one of the first two-stage lines in Italy.

It is a period of innovation and experimentation in a market led by a limited number of visionaries, who, inspired by the studies on the titanium osteointegrability carried out by Prof. Per-Ingvar Branemark, courageously propose a revolutionary idea: to insert titanium screws into the bone to artificially replicate the root of a missing tooth.

The experience of Olivio and Romolo, rooted in this period of first trials, gradually grows and in 1990, with an act of courage that marks the first fundamental step in realising

every entrepreneurial vision, the two have an important breakthrough by setting up their own company: Biomec, founded with the intention to put mechanics at the service of oral biology, in a decidedly more industrial key comparing to its handicraft beginnings. Since then, more than thirty years have passed - all spent in the design, development and production of implants, prosthetic components and surgical instruments - during which the fundamental values have always remained constant: respect for people, passion and enjoyment at work, attention to customer's needs, desire of innovation.

Based on these pillars, Biomec today is a solid and modern company. Thanks to the daily activity of more than fifty employees and to the technology concentrated in twenty last-generation CNC machines of the production department, 100% of its devices are manufactured internally. Therefore, the reputation of Biomec in the world is definitely "made in Italy".



features

The WIN-Z 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 - OXY CLAMP 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 Clamp



3.
pull out the cover
screw support from
the Clamp

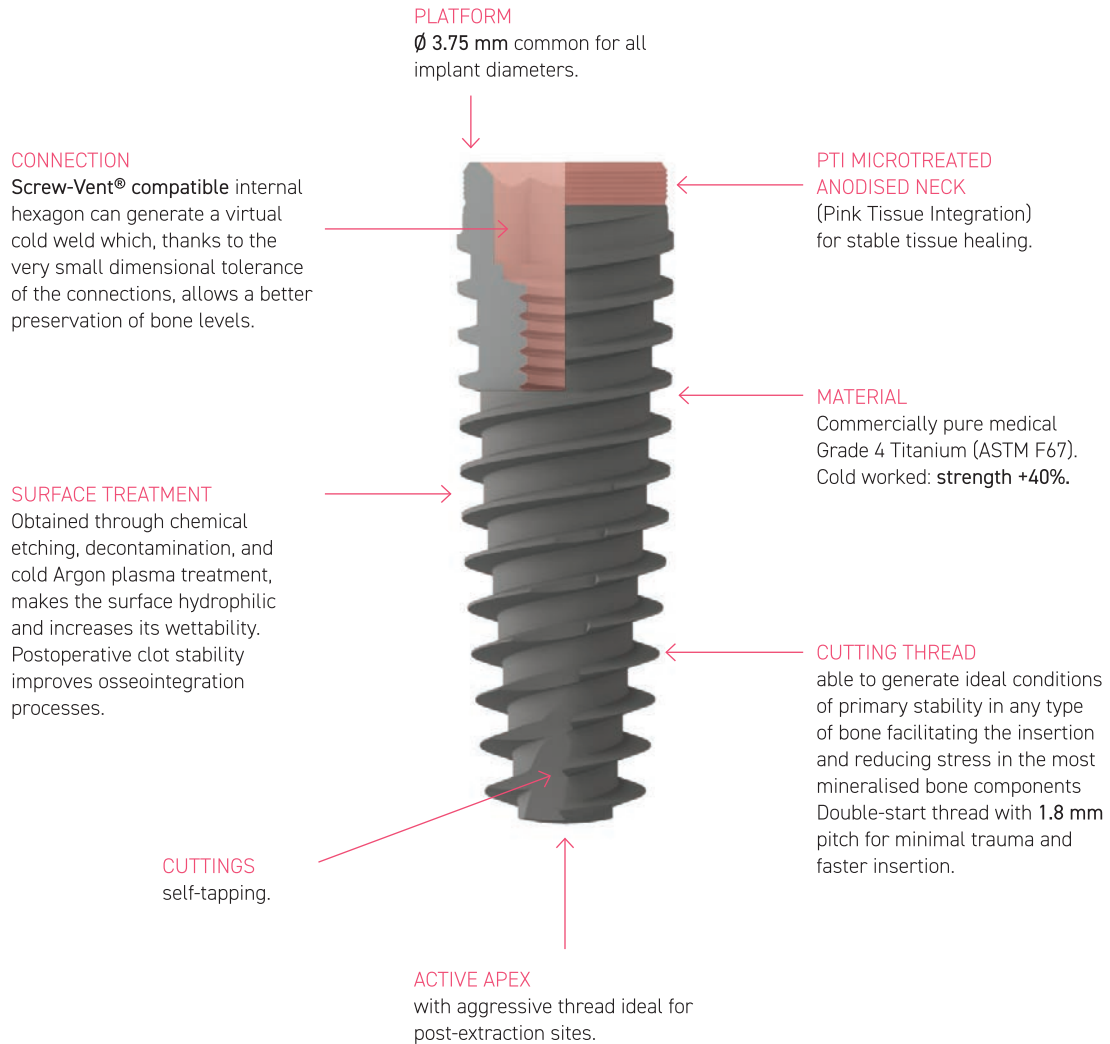


4.
connect the implant
to the inserter



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

WIN IMPLANT GENERAL FEATURES



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

Ø 3.30 mm



Length	Ref.
8.5 mm	WIZ330085
10.0 mm	WIZ330100
11.5 mm	WIZ330115
13.0 mm	WIZ330130
15.0 mm	WIZ330150

Ø 3.75 mm



Length	Ref.
8.5 mm	WIZ375085
10.0 mm	WIZ375100
11.5 mm	WIZ375115
13.0 mm	WIZ375130
15.0 mm	WIZ375150
17.0 mm	WIZ375170

Ø 4.25 mm



Length	Ref.
7.0 mm	WIZ425070
8.5 mm	WIZ425085
10.0 mm	WIZ425100
11.5 mm	WIZ425115
13.0 mm	WIZ425130
15.0 mm	WIZ425150

Ø 5.00 mm



Length	Ref.
7.0 mm	WIZ500070
8.5 mm	WIZ500085
10.0 mm	WIZ500100
11.5 mm	WIZ500115
13.0 mm	WIZ500130

Ø 4.25 mm



Length	Ref.
15.0 mm	WIP425150
18.0 mm	WIP425180
20.0 mm	WIP425200

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
- OPEN TRAY
IMPRESSION COPING TRANSFER
material: Titanium Grade 5
tightening torque: 10 Ncm
- SNAP IMPRESSION COPING TRANSFER
material: POM-C
- LABORATORY ANALOGUE
material: Stainless steel



healing
abutment

H 3.0 mm	WIZ352001
H 4.5 mm	WIZ352002
H 6.0 mm	WIZ352003



open tray
impression coping
transfer

WIZ352004



snap impression
coping transfer

WIZ352006



laboratory
analogue

WIZ352005

digital workflow

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



scan body

WIZ356001



digital analogue

WIZ356002

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 SCREWDRIVER
FOR TORX SCREW
material: Hardened stainless steel +
DLC coating
- MANUAL MECHANICAL 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	WIZ356003
H 2.0 mm	WIZ356004



antirotational
titanium base

H 1.0 mm	WIZ356005
H 2.0 mm	WIZ356006



rotational
titanium base slim

H 1.0 mm	WIZ356013
H 2.0 mm	WIZ356014
H 3.0 mm	WIZ356015



rotational
titanium base slim

H 1.0 mm	WIZ356010
H 2.0 mm	WIZ356011
H 3.0 mm	WIZ356012



rotational
cobalt-chrome base

WIZ356007



antirotational
cobalt-chrome base

WIZ356008



castable abutment
for titanium and
cobalt-chrome bases

rot.	WIN500024
antirot.	WIN500025



mechanical
screwdriver for
torx screw

short	SESD
medium	MESD



manual mechanical
converter

MDCM7



torx abutment
screw for angled
screwing win-z

WIZ353013

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	WIZ353001
H 2.5 mm	WIZ353002
H 3.5 mm	WIZ353003



antirotational
angled abutment

H 1.5 mm	WIZ353004
H 2.5 mm	WIZ353005
H 3.5 mm	WIZ353006



antirotational
angled abutment

H 1.5 mm	WIZ353007
H 2.5 mm	WIZ353008
H 3.5 mm	WIZ353009



rotational
castable abutment

WIZ353010



antirotational
castable abutment

WIZ353011



abutment
screw

WIZ353012

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. WIN500026)

• WIN-Z LOC ABUTMENT

material: Titanium Grade 5
+ TIN coating
Hex key 1.27 mm
tightening torque: 30 Ncm

titanium cover, retentive caps and protection
disk included (ref. WIN500012)

Locator® compatible

Locator® is a registered trademark of
Zest Anchors



ball abutment win-z

H 1.5 mm	WIZ354001
H 2.5 mm	WIZ354002
H 3.5 mm	WIZ354003



titanium cover

WIN500001

2 pieces pack



retention cap

transparent	hard 1,3 kg	WIN500002
pink	soft 0,9 kg	WIN500003
yellow	extra soft 0,5 kg	WIN500004

4 pieces pack



win-z loc abutment

H 1.0 mm	WIZ354004
H 2.0 mm	WIZ354005
H 3.0 mm	WIZ354006
H 4.0 mm	WIZ354007



titanium cover

WIN500005



protection disk

WIN500011

8 pieces pack



retention cap

transparent	standard 1,5 kg	WIN500006
pink	soft 0,9 kg	WIN500007
yellow	extra soft 0,7 kg	WIN500008
purple	strong 2,8 kg	WIN500009
black	laboratory	WIN500010

4 pieces pack

prosthetic components for immediate load

- STRAIGHT AND ANGLED MUA WIN-Z
material: Titanium Grade 5
tightening torque: 30 Ncm
- HEALING CAP FOR MUA WIN
material: PEEK
tightening torque: 10 Ncm
- IMPRESSION COPING TRANSFER
FOR MUA WIN
material: Titanium Grade 5
tightening torque: 10 Ncm
impression coping transfer screw included
- LABORATORY ANALOGUE FOR MUA WIN
material: Stainless steel
- SCAN BODY FOR MUA WIN
material: Stainless steel
- DIGITAL ANALOGUE FOR MUA WIN
material: Stainless steel
- CASTABLE ABUTMENT FOR MUA WIN
material: PMMA
tightening torque: 15 Ncm
screw included
- TEMPORARY ABUTMENT FOR MUA WIN
material: Titanium Grade 5
tightening torque: 15 Ncm
screw included
- COBALT-CHROME CAP FOR MUA WIN
material: Cobalt-Chrome
tightening torque: 15 Ncm
screw included
- PROSTHETIC SCREW FOR MUA WIN
material: Titanium Grade 5
- TORX PROSTHETIC SCREW MUA WIN
FOR ANGLED SCREWING
material: Titanium Grade 5
tightening torque: 15 Ncm

0°



straight mua
win-z

H 1.0 mm	WIZ355001
H 2.0 mm	WIZ355002
H 3.0 mm	WIZ355003

17°



angled mua
win-z

H 2.0 mm	WIZ355004
H 3.0 mm	WIZ355005

30°



angled mua
win-z

H 3.0 mm	WIZ355006
H 4.0 mm	WIZ355007



healing cap
for mua win

WIN500014



impression coping
transfer for mua win

H 9 mm WIN500015
H 11 mm WIN500023



laboratory analogue
for mua win

WIN500016



scan body
for mua win

WIN500017



digital analogue
for mua win

WIN500018



castable abutment
for mua win

WIN500019



temporary
abutment
for mua win

WIN500020



cobalt-chrome cap
for mua win

WIN500021



prosthetic screw
for mua win

WIN500013

tightening torque: 15 Ncm



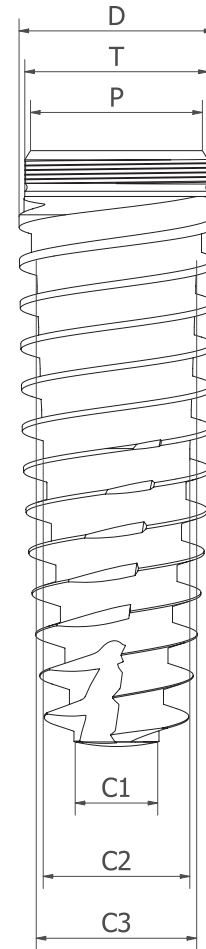
torx prosthetic
screw mua win for
angled screwing

WIN500022

tightening torque: 15 Ncm

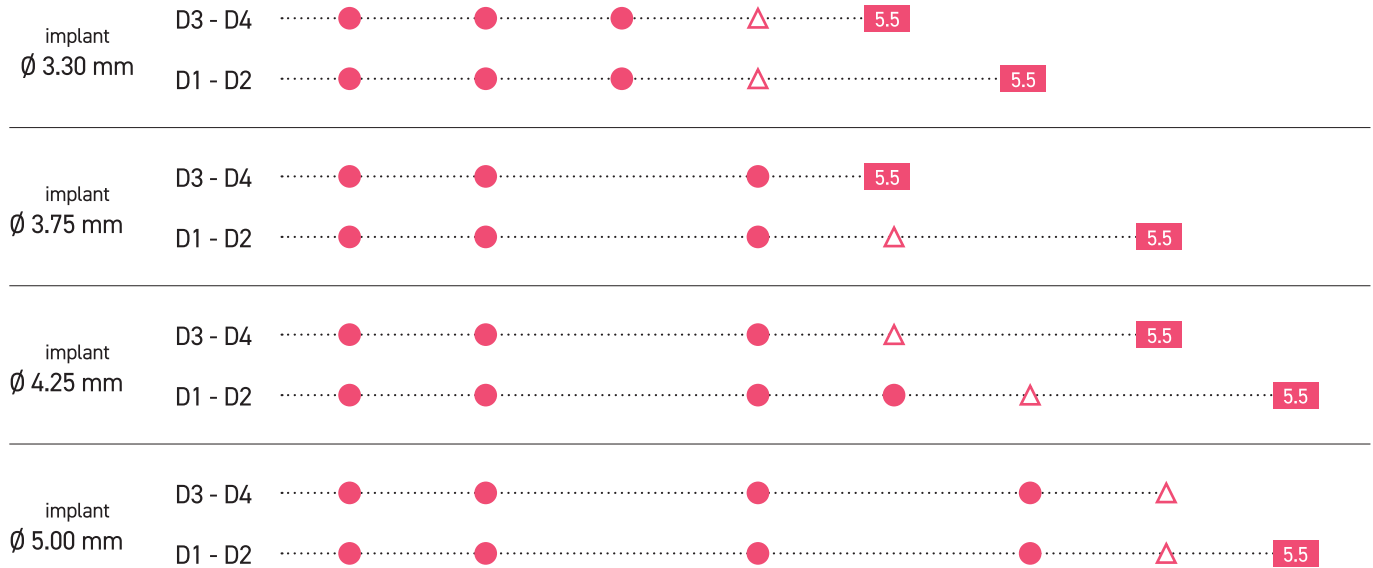
SURGICAL KIT

ref. WINBOX001



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

DRILLING SEQUENCE WIN-Z



△ Drill to a depth of 3 mm less than the implant length.

5.5 Use the drill with 5.5 mm depth stopper.

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 SID01L



graduated drill

Ø 2.3 mm IGSD230



graduated drill

Ø 2.6 mm SD2620



graduated drill

Ø 2.9 mm SD2923



graduated drill

Ø 3.2 mm SD3226



graduated drill

Ø 3.5 mm SD3529



graduated drill

Ø 3.8 mm SD3832



graduated drill

Ø 4.1 mm SD4135

PTERYGOID IMPLANT DRILLS



long
graduated drill

Ø 2.3 mm LD2320

max 900 Rpm



long
graduated drill

Ø 2.6 mm LD2620

max 900 Rpm



long
graduated drill

Ø 2.9 mm LD2923

max 900 Rpm



long
graduated drill

Ø 3.2 mm LD3226

max 800 Rpm



calibrated stopper

L 5.5 mm EST4055T

L 7 mm EST4070T

L 8.5 mm EST4085T

L 10 mm EST4100T

L 11.5 mm EST4115T

L 13 mm EST4130T

L 15 mm EST4150T



parallel
indicator
Ø 2.3 / 2.9 mm

PIN2329



parallel
indicator
Ø 2.3 / 2.9 mm 17°

PIN2317



parallel
indicator
Ø 2.3 / 2.9 mm 30°

PIN2330



drill
extension

DEXT



countersink
drill

STDPSILS

max 300 Rpm



mechanical
screwdriver
hex 1.27

short	WIN900015
medium	WIN900016
long	WIN900017
extralong	WIN900018



cylindrical
bone mill

BMCIL
max 300 Rpm



conical
bone mill

BMCON
max 300 Rpm



bone mill
screw

WIN900033



mechanical
inserter

short	WIN900003
medium	WIN900004
long	WIN900005
extralong	WIN900006



manual
driver inserter

short	WIN900007
medium	WIN900008
long	WIN900009
extralong	WIN900010



manual
screwdriver
hex 1.27

short	WIN900011
medium	WIN900012
long	WIN900013
extralong	WIN900014



manual driver
for straight
mua abutment

WIN900019



torque ratchet
D. 7

STW00030B



quality

guided surgery instruments

- DRILLS
material: Hardened stainless steel + DLC coating
- SCREWABLE FIXATION PIN FOR SURGICAL GUIDES
material: Titanium Grade 5
- REDUCTION RING
material: Titanium Grade 5
- TISSUE PUNCH
material: Hardened stainless steel + DLC coating
- MOUNTER GS
material: Hardened stainless steel
- MANUAL ADAPTER SQUARE 4x4
material: Hardened stainless steel
- MECHANICAL SCREWDRIVER SQUARE 4x4
material: Hardened stainless steel
- SQUARE CONVERTER 4x4
material: Hardened stainless steel
- SCREW FOR BONE MILL
material: Stainless steel
- MANUAL SCREWDRIVER
material: Hardened stainless steel
Hex key 1.27 mm
- MECHANICAL SCREWDRIVER
material: Hardened stainless steel
Hex key 1.27 mm
- MANUAL DRIVER FOR STRAIGHT MUA
material: Hardened stainless steel
- SLEEVE FOR SURGICAL GUIDES
material: Stainless steel
- THREADED PIN SLEEVE FOR SURGICAL GUIDES
material: Stainless steel
- BITE GAUGE
material: Stainless steel
- TORQUE RATCHET
material: Stainless steel
tightening torque: 10*50 Ncm



drill for fixation pin

DPFGS

max 1000 Rpm



fixation pin for surgical guides

	<u>PINGS</u>
screwable	<u>PINGF</u>



reduction ring

Height	Colour	Ref.
1.0 mm	yellow	RR5010
1.5 mm	blue	RR5015
2.0 mm	fuchsia	RR5020



tissue punch

TPGS

max 100 Rpm



bone leveller drill

OGSBL

max 300 Rpm



start drill

CSGS

max 600 Rpm



ogs drill
D. 2.3

L. 6 mm	SD23060GS
L. 8.5 mm	SD23085GS
L. 10 mm	SD23100GS
L. 11.5 mm	SD23115GS
L. 13 mm	SD23130GS
L. 15 mm	SD23150GS

max 900 Rpm



ogs drill
D. 2.9

L. 8.5 mm	SD29085GS
L. 10 mm	SD29100GS
L. 11.5 mm	SD29115GS
L. 13 mm	SD29130GS
L. 15 mm	SD29150GS

max 900 Rpm



ogs drill
D. 3.2

L. 8.5 mm	SD32085GS
L. 10 mm	SD32100GS
L. 11.5 mm	SD32115GS
L. 13 mm	SD32130GS
L. 15 mm	SD32150GS

max 800 Rpm



ogs drill
D. 3.5

L. 8.5 mm	SD35085GS
L. 10 mm	SD35100GS
L. 11.5 mm	SD35115GS
L. 13 mm	SD35130GS
L. 15 mm	SD35150GS

max 800 Rpm



ogs drill
D. 3.8

L. 8.5 mm	SD38085GS
L. 10 mm	SD38100GS
L. 11.5 mm	SD38115GS
L. 13 mm	SD38130GS
L. 15 mm	SD38150GS

max 700 Rpm



countersink drill

K10GSCS

max 300 Rpm



mounter gs

WIN900034



manual adapter
square 4x4

short CMRC7
long LMRC7



mechanical
screwdriver
square 4x4

WIN900032



square converter
4x4

MCS4



cylindrical
bone mill

BMCIL

max 300 Rpm



conical
bone mill

BMCON

max 300 Rpm



screw for
bone mill

WIN900033



manual
screwdriver
hex 1.27

medium WIN900012



mechanical
screwdriver
hex 1.27

medium WIN900016



manual driver
for straight mua
abutment

WIN900019



sleeve for
surgical guides

CGS



threaded
pin sleeve
for surgical guides

CPINGF



bite gauge

BITEGAUGEPS

implant
passport

990227

The patient's implant passport is available
free of charge in a 20 pcs pack.



torque ratchet
D. 7

STW00030B

