RITTER™
IMPLANTS

The Natural Implant System
Predictable. Reliable. Innovative.

Ritter Implants
Made in **GERMANY**

The Implant Surface
Nano sandblasting and acid etching

Ritter Implants are made of a "Grade 5" natural Titanium alloy
(Ti6AL4VELI: 90% Titanium, 6% Aluminum, 4% Vanadium), which goes through a special
sandblasting and etching process.

Our method creates large surface differences that allow **strong absorption of plasma proteins and blood** into the micropores of the implant immediately after insertion. Likewise, rapid osseo-integration and higher primary stability, which allows immediate loading, are guaranteed.

Nano sandblasting and acid etching of the implant surface
- Sandblasting creates a macro surface of 20-40 µm
- Double thermal acid etching process creates structures between 1-5 µm
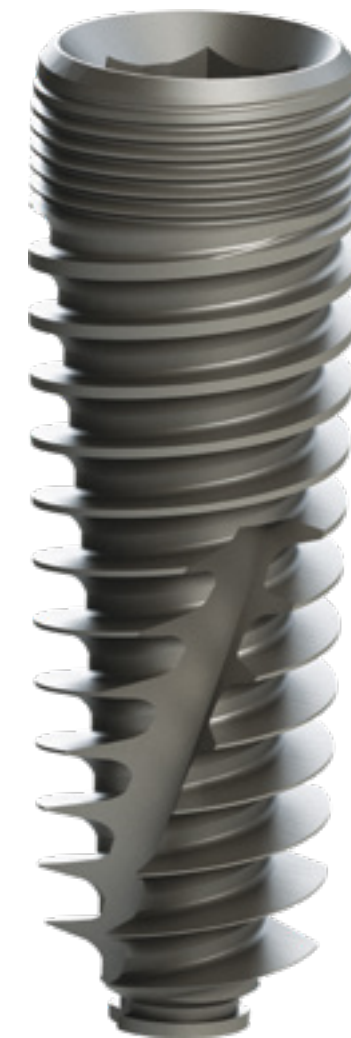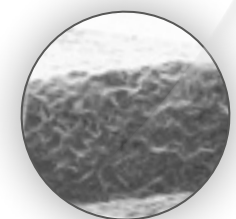- Material forms a hydrophilic Titanium oxide layer
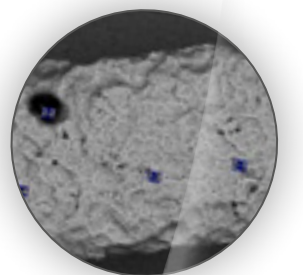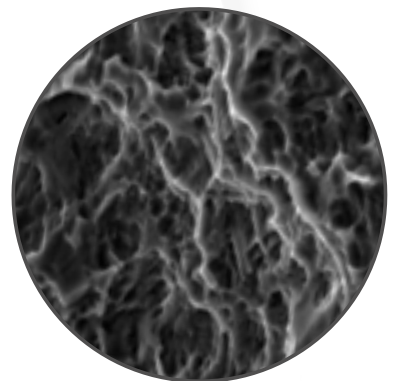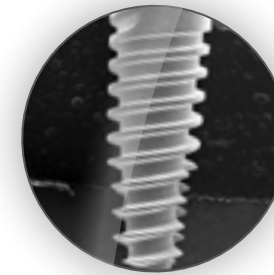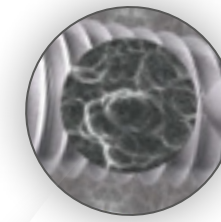
Benefits
- Bone strengthening due to early Implant contact
- Increased stability
- Shortened healing phase
- Higher predictability of the healing process

Ritter Implant Production is located near Tuttlingen
in Southern Germany, on the edge of the Black Forest.
The Ritter Implants brand stands for highest quality,
state of the art technologies and innovative products.
Made in Germany.

Images taken with a scanning electron microscope SEM-Method

SB/LA
- Pure
- Germ & particle free
- Hydrophilic
- Osseointegrative

Table of contents

The key features of our Implant construction

Ritter Implants are manufactured in Germany and are made of a „Grade 5" Titanium alloy (Ti6AL4VELI: 90% Titanium, 6% Aluminum, 4% Vanadium).

Ritter Implants
Made in **GERMANY**

5

Platform Shifting
Standard abutments fit all regular platforms 3.75 mm, 4.2 mm, 5 mm & 6 mm

Narrow Line Abutments fit all narrow platforms 3.0 mm & 3.3 mm

6

Micro Grooves
Add greater surface area and reduce stress on crestal bone, prevent loss of marginal bone and increase "bone-to-implant" contact.

1

Connection Internal Bevel-Hex connection, friction-locked, without micro gap

2

Unique Thread
Wider threads in the upper body that increase surface area and reduce bone stress, then transition to sharper threads for self-tapping function

7

Strong Material
Medical Standard Grade 5 Titanium (Ti6AL4V) Titanium compound

8

Surface
Roughened surface improves bone contact and stability

3

Apical blades
Allow angular adjustment for parallelism during the insertion process

9

SB/LA
Sandblasted with large particles, acid etched macro surface of 20-40 µm to a micro surface of about 2 µm

10

Tapered Body
Increases initial stability while protecting adjacent roots

11

Dual Cutting Edge
Enhances self-tapping and increases ease of insertion

4

Rounded Apex
The rounded apex minimizes the risk of rupture of the membrane during sinus lift procedures

12

Progressive Threads
Relaxes stress points in bone, creates better hold in soft bone, suitable for all bone densities

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Recommended torques*

Cover Screw

8-10 Ncm

Titanium Healing Caps

10-15 Ncm

Titanium Temporary Abutments

20 Ncm

Zirconium and Peek Abutments

30 Ncm

Locators TO Clicq Overdenture.

30 Ncm

Multi Units

30 Ncm

Multi Units Components

22 Ncm

Implants

ø 3.0/3.3 mm
35-50 Ncm

ø 3.75 mm
35-60 Ncm

ø 4.2 /5.0/6.0 mm
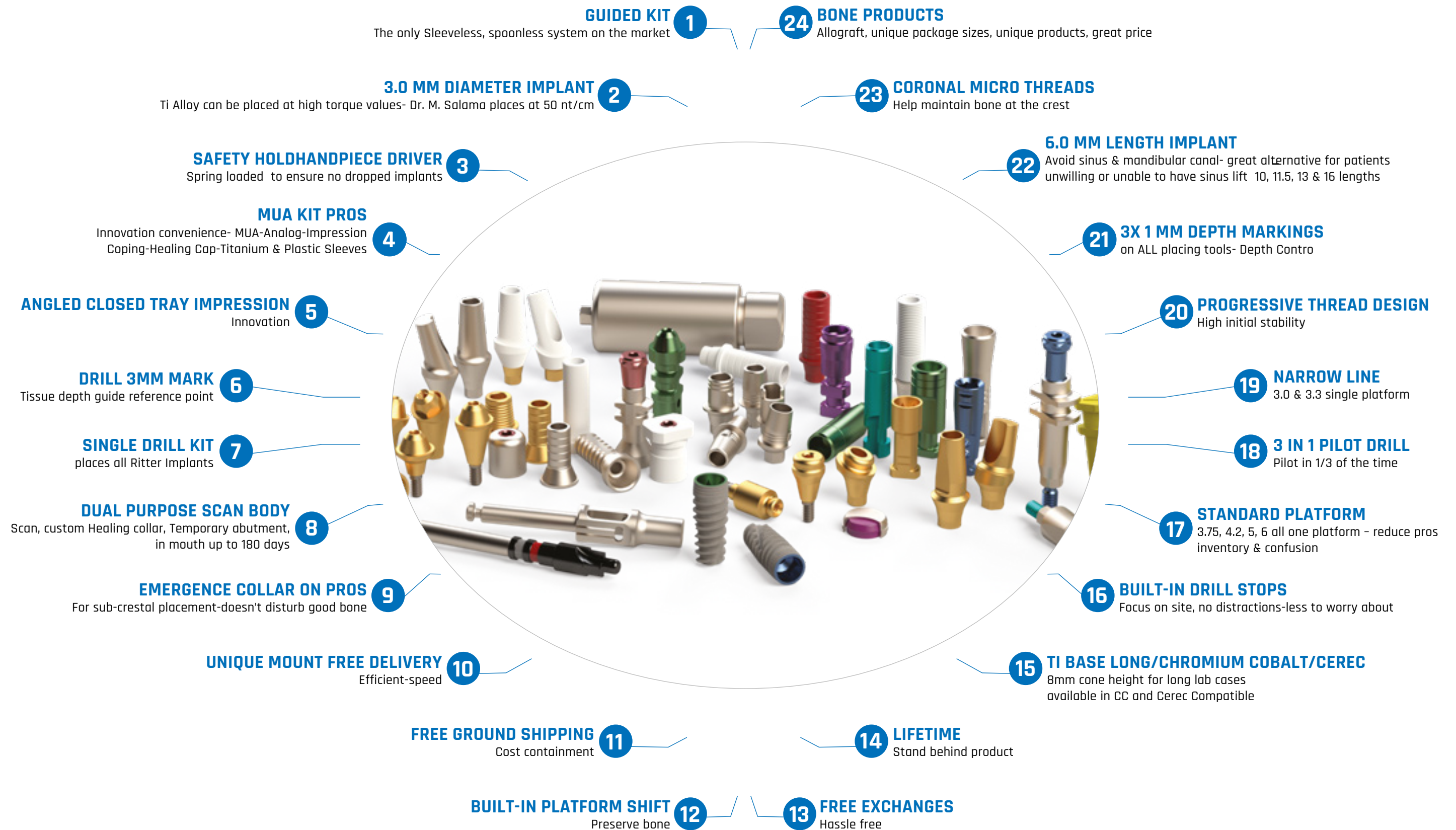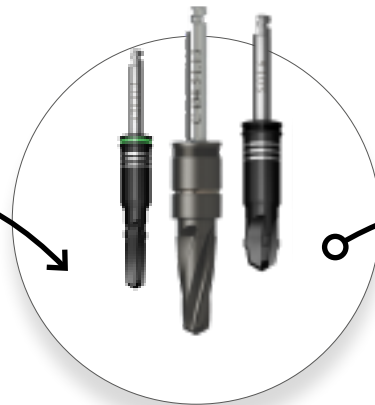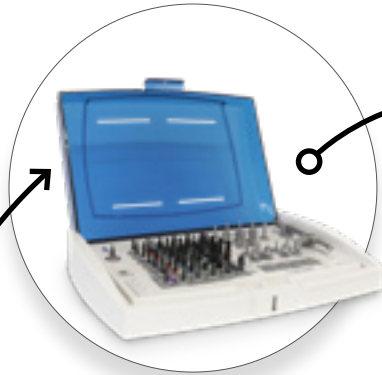35-60 Ncm

*Note: All torque values are recommended guideline values that may vary depending on the physical situation. They cannot be scientifically proven even though numerous tests tend towards these results.

MAIN REASONS FOR RITTER IMPLANTS

RITTER™ IMPLANTS

GUIDED KIT **1**
The only Sleeveless, spoonless system on the market

24 **BONE PRODUCTS**
Allograft, unique package sizes, unique products, great price

3.0 MM DIAMETER IMPLANT **2**
Ti Alloy can be placed at high torque values- Dr. M. Salama places at 50 nt/cm

23 **CORONAL MICRO THREADS**
Help maintain bone at the crest

SAFETY HOLDHANDPIECE DRIVER **3**
Spring loaded to ensure no dropped implants

22 **6.0 MM LENGTH IMPLANT**
Avoid sinus & mandibular canal- great alternative for patients unwilling or unable to have sinus lift 10, 11.5, 13 & 16 lengths

MUA KIT PROS **4**
Innovation convenience- MUA-Analog-Impression Coping-Healing Cap-Titanium & Plastic Sleeves

21 **3X 1 MM DEPTH MARKINGS**
on ALL placing tools- Depth Contro

ANGLED CLOSED TRAY IMPRESSION **5**
Innovation

20 **PROGRESSIVE THREAD DESIGN**
High initial stability

DRILL 3MM MARK **6**
Tissue depth guide reference point

19 **NARROW LINE**
3.0 & 3.3 single platform

SINGLE DRILL KIT **7**
places all Ritter Implants

18 **3 IN 1 PILOT DRILL**
Pilot in 1/3 of the time

DUAL PURPOSE SCAN BODY **8**
Scan, custom Healing collar, Temporary abutment, in mouth up to 180 days

17 **STANDARD PLATFORM**
3.75, 4.2, 5, 6 all one platform – reduce pros inventory & confusion

EMERGENCE COLLAR ON PROS **9**
For sub-crestal placement-doesn't disturb good bone

16 **BUILT-IN DRILL STOPS**
Focus on site, no distractions-less to worry about

UNIQUE MOUNT FREE DELIVERY **10**
Efficient-speed

15 **TI BASE LONG/CHROMIUM COBALT/CEREC**
8mm cone height for long lab cases available in CC and Cerec Compatible

FREE GROUND SHIPPING **11**
Cost containment

14 **LIFETIME**
Stand behind product

BUILT-IN PLATFORM SHIFT **12**
Preserve bone

13 **FREE EXCHANGES**
Hassle free

Surgical Kits

Ritter Surgical Kits include drills, insertion tools and torque ratchets

Drills

Ritter Implants high performance drills are designed with a long-lasting special coating and integrated drill stops.
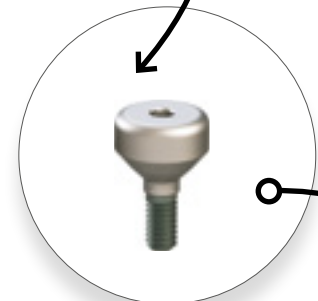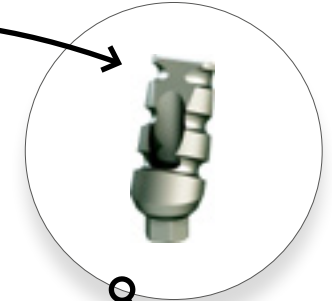
The Digital Ritter Implants Scan Abutment

Scan abutment for the digital imprint
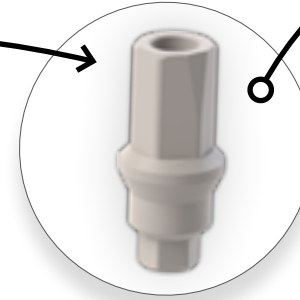
Analog Impression

whether digital, open or closed - Ritter Implants can even offer angled impression posts

Healing Caps

in many sizes and variations for perfect gingiva shaping

Implants

available in variable diameters and lengths, also with ø3.0 and ø3.3 mm

The Choice is Yours:

Ritter Implants offers for all cases and applications a well thought-out line of implants and prosthetic components
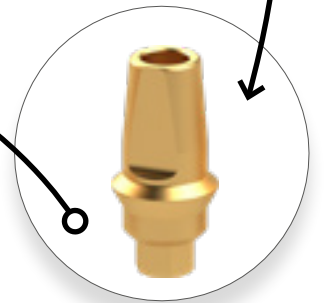
Restoration Abutments

Ritter Implants offers a wide range of titanium, zirconium or peek abutments, angled or straight - to suit your individual working style
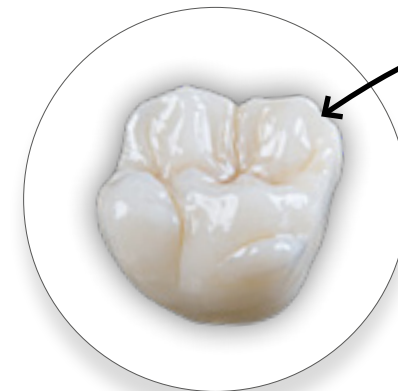
So easy.

Implant Sizes and Lengths
SB/LA Implant (surface sandblasted and acid etched)

Standard Platform

The different diameters are color coded and help with easy handling.

SBLA	Spiral Implant **3.75**	Spiral Implant **4.2**	Spiral Implant **5.0**	Spiral Implant **6.0**
ø (mm)	3.75	4.2	5.0	6.0
Length (mm)	8, 10, 11.5, 13, 16	8, 10, 11.5, 13, 16	6, 8, 10, 11.5, 13, 16	6, 8, 10, 11.5, 13
Apical ø (mm)	3.2	3.6	4.25	5.25
Platform ø (mm)	3.75	3.75	3.75	3.75
Surface	SB/LA	SB/LA	SB/LA	SB/LA
Hex-Size	2.43	2.43	2.43	2.43
Connection	Internal Hex 3.75, 2.9 mm	Internal Hex 3.75, 2.9 mm	Internal Hex 3.75, 2.9 mm	Internal Hex 3.75, 2.9 mm

The narrow diameters: Narrow Line

SBLA	Narrow Line Spiral Implant **3.0**	Narrow Line Spiral Implant **3.3**
ø (mm)	3.0	3.3
Length (mm)	10, 11.5, 13, 16	10, 11.5, 13, 16
Apical ø (mm)	2.3	2.3
Platform ø (mm)	3.0	3.0
Surface	SB/LA	SB/LA
Hex -Size	2.0	2.0

The Unique Packaging Design

The lot sizes are clearly marked on the outside, so the treatment team can quickly and reliably identify the diameter and length of the implant.

All implants and prosthetic components are supplied in single or 10-packs.

The new Ritter Spiral Implant SB/LA is protected by a sealed package with a sterile barrier.

The implant is supplied including the Cover Screw, which is located in the bottom lid of the inner tube.

- Clear
- Simple
- Sophisticated

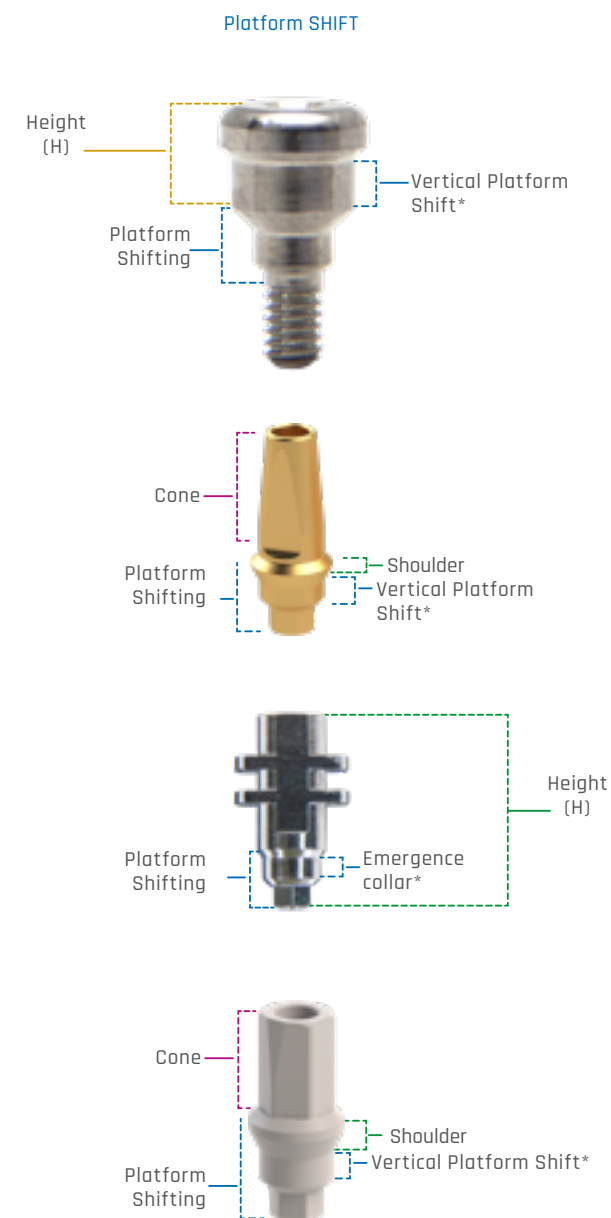Our Nature-Implants-Production is sustainable and CO_2 neutral. Ritter Implants **cares about future for coming generations.**

Regular Platform with internal HEX connection 2.43 mm
Ritter SB/LA Spiral Implant
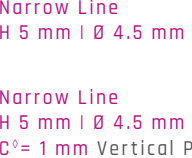
Product	Art. No.	Description
	Spiral Implant with SB/LA Surface / Diameter / Length	
	SNAP-3.75-8 SNAP-3.75-10 SNAP-3.75-11.5 SNAP-3.75-13 SNAP-3.75-16	**Ø 3.75 mm**
	Spiral Implant with SB/LA Surface / Diameter / Length	
	SNAP-4.2-8 SNAP-4.2-10 SNAP-4.2-11.5 SNAP-4.2-13 SNAP-4.2-16	**Ø 4.2 mm**
	Spiral Implant with SB/LA Surface / Diameter / Length	
	SNAP-5-6 SNAP-5-8 SNAP-5-10 SNAP-5-11.5 SNAP-5-13 SNAP-5-16	**Ø 5.0 mm**
	Spiral Implant with SB/LA Surface / Diameter / Length	
	SNAP-6-6 SNAP-6-8 SNAP-6-10 SNAP-6-11.5 SNAP-6-13	**Ø 6.0 mm**

Narrow Line with HEX Connection 2.0 mm
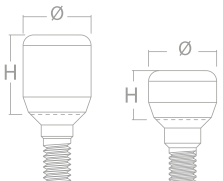
Product	Art. No.	Description
	Spiral Implant with SB/LA Surface / Diameter / Length	
	NL-SNAP-3-10 NL-SNAP-3-11.5 NL-SNAP-3-13 NL-SNAP-3-16	**Ø 3.0 mm**
	Spiral Implant with SB/LA Surface / Diameter / Length	
	NL-SNAP-3.3-10 NL-SNAP-3.3-11.5 NL-SNAP-3.3-13 NL-SNAP-3.3-16	**Ø 3.3 mm**

ATTENTION: The Narrow Line Implants have a smaller platform than the Standard Implants. In each case, insertion instruments with a smaller HEX diameter must be used here.

Insertion instruments

For cover Screw
Hand Hex Driver for Abutments
HHDA for Hex 1.29
For abutments
HHDA and RDA

For Implant
MMIB, RDI-9/15mm Length
For Hex 2.43
NL-RDI, NL-MMIB

Descriptions and Units of Measurement / Legend

Healing Caps / Gingiva Former

Platform SHIFT

Height (H)

Vertical Platform Shift*

Platform Shifting

Cone

Platform Shifting

Shoulder
Vertical Platform Shift*

Height (H)

Platform Shifting

Emergence collar*

Cone

Shoulder
Vertical Platform Shift*

Platform Shifting

Soft tissue management support in preparation for vertical platform shifting

*All Platform Shifting products are equipped with a 1mm vertical platform shift unless otherwise specified.

ABUTMENT SHOULDER HEIGHT

B   A

Shoulder heigh A/B

H

Shoulder heigh

Height in mm

HC-3	Standard Line, H 3 mm I Ø 4.5 mm	
HC-3C$^{\diamond}$	Standard Line, H 3 mm I Ø 4.5 mm C$^{\diamond}$= 1 mm Vertical Platform Shift	
NL-HC-3#	Narrow Line H 3 mm I Ø 4.5 mm	
NL-HC-3C#$^{\diamond}$	Narrow Line, H 3 mm I Ø 4.5 mm C$^{\diamond}$= 1 mm Vertical Platform Shift	
HC-3N	Standard Line slim H 3 mm I Ø 3.8 mm	
NL-HC-3N#	Narrow Line slim H 3 mm I Ø 3 mm	
HC-3W	Standard Line wide H 3 mm I Ø 5.5 mm	
HC-3WC$^{\diamond}$	Standard Line wide H 3 mm I Ø 5.5 mm C$^{\diamond}$= 1 mm Vertical Platform Shift	
HC-3EW	Standard Line extra wide H 3 mm I Ø 6.3 mm	
HC-5N	Standard Line slim H 5 mm I Ø 3.8 mm	
NL-HC-5N#	Narrow Line slim H 5 mm I Ø 3.8 mm	
HC-5W	Standard Line wide H 5 mm I Ø 5.5 mm	
HC-5WC$^{\diamond}$	Standard Line Wide H 5 mm I Ø 5.5 mm C$^{\diamond}$= 1 mm Vertical Platform Shift	

HC-5	Standard Line H 5 mm I Ø 4.5 mm
HC-5C$^{\diamond}$	Standard Line H 5 mm I Ø 4.5 mm C$^{\diamond}$= 1 mm Vertical Platform Shift
NL-HC-5#	Narrow Line H 5 mm I Ø 4.5 mm
NL-HC-5C#$^{\diamond}$	Narrow Line H 5 mm I Ø 4.5 mm C$^{\diamond}$= 1 mm Vertical Platform Shift
HC-5EW	Standard Line extra wide H 5 mm I Ø 6.3 mm

H=Height ø=Diameter

$^{\diamond}$C= Vertical Platform Shift Measures

#NL = Narrow Line for 3.0 & 3.3 mm ø Implants

Ø

H   H   Ø

Prosthetics / Impressions
Impression Copings

◇C= Emergence Profile Measures

#NL = Narrow Line for 3.0 & 3.3 mm ø Implants

ACT-15
Standard Line - 15° angled
Closed Tray Transfer
H 11 mm | Ø 4.8 mm,
Incl. TSA-8.3

NL-ACT-15#
Narrow Line - 15° angled
Closed Tray Transfer
H 11 mm | Ø 4.8 mm
Incl. NL-TSA-8.3#

ACT-25
Standard Line
25° angled
Closed Tray Transfer
H 11 mm | Ø 4.8 mm
Incl. TSA-8.3

CTT-10.8N
Standard Line
Narrow
Closed Tray Transfer
H 10.8 mm | Ø 4.5 mm
Incl. TSCT-14

NL-CTT-10.8N#
Narrow Line slim Diameter
Closed Tray Transfer
H 10.8 mm | Ø 4.5 mm
Incl. NL-TSCT-14#

Top View

CTT-13.8N
Standard Line
slim
Closed Tray Transfer
H 13.8 mm | Ø 4.5 mm
Incl. TSCT-17

NL-CTT-13.8N#
Narrow Line slim
Closed Tray Transfer
H 13.8 mm | Ø 4.5 mm
Incl. NL-TSCT-17#

Top View

OTT-10.8N
Standard Line
slim
Open Tray Transfer
H 10.8 mm | Ø 4.5 mm
Incl. TSOT-24

NL-OTT-10.8N#
Narrow Line slim
Open Tray Transfer
H 10. 8mm | Ø 4.5 mm
C◇= 1 mm Emergence Profile
Platform Shift
Incl. NL-TSOT-24#

OTT-13.8N
Standard Line
Slim
Open Tray Transfer
H 13.8 mm | Ø 4.5 mm
Incl. TSOT-24

NL-OTT-13.8N#
Narrow Line slim
Open Tray Transfer
H 13.8 mm | Ø 4.5 mm
Incl. NL-TSOT-24#

OTT-13.8W◇
Standard Line wide
Open Tray Transfer
H 13.8 mm | Ø 5.5 mm
Platform Shift
Incl. TSOT-24

Prosthetics / Impressions
Analogs

TSCT-14
Standard Line, Titanium Screw for
Closed Tray Transfer - 14 mm

NL-TSCT-14#
Narrow Line, Titanium Screw for
Narrow Line, Closed Tray Transfer
- 14 mm

TSCT-17
Standard Line, Titanium Screw for
Closed Tray Transfer - 17 mm

NL-TSCT-17#
Narrow Line, Titanium Screw for
Narrow Line,Closed Tray Transfer-
17 mm

TSOT-24
Standard Line, Titanium Screw for
Open Tray Transfer - 24 mm

NL-TSOT-24#
Narrow Line, Titanium Screw for
Narrow Line,Open Tray Transfer-
24 mm

TSA-8.3
Standard Line
Titanium Screw 8.3 mm for
straight and angled Abutments

NL-TSA-8.3#
Narrow Line, Titanium Screw 8.3 mm
for straight and angled Abutments

IA-3.75
Standard Line
Implant Analog
Standard Platform for
3.75 mm, 4.2 mm,
5.0 mm & 6.0 mm

NL-IA-3.0#
Narrow Line
Implant Analog Narrow Line
Platform for
3.0 mm and 3.3 mm

IA-PUT-S
Standard Line
Analog for PUT-S
Abutment

IA-PUT-M
Standard Line
Analog for PUT-M
Abutment

IA-PUT-L
Standard Line
Analog for PUT-L
Abutment

Scan Body / digital intraoral scanning

3DSPA-8C◇
Scan Abutment
Standard Line
Plastic Abutment for 3D Scanner
4mm Cone, 1.5 mm Shoulder
C◇= 1.0 mm Vertical Platform Shift
Incl. TSA-8.3
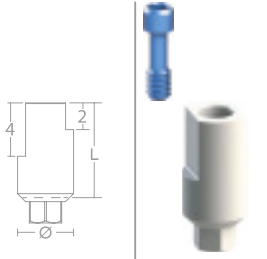
NL-3DSPA-8C#◇
Scan Abutment, Narrow Line
Plastic Abutment for 3D Scanner
4 mm Cone, 1 mm Shoulder
C◇= 1.5 mm Vertical Platform Shift
Incl. NL-TSA-8.3#
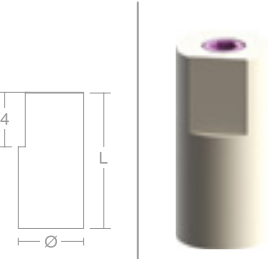
**Our Scan Bodies are Multi Purpose :
use it as Scan body and as Provisional or
Temporary Abutment !**

Implant Level

Scan Abutment

L	7 mm
Ø	4.2 mm
Art. No.	SB-SV-RP
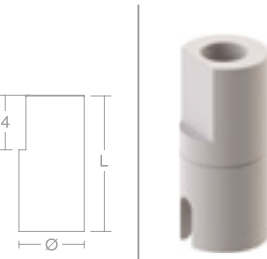
Multi-Clicq™
Abutment Level Scan Body

L	10 mm
Ø	4.8 mm
Art. No.	MUL-KS-SBUG
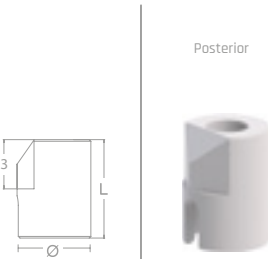
Medical Peek - Classix

Clicq-Scan ™
Abutment Level Scan Body

L	10 mm
Ø	4.5 mm
Art. No.	SBC-TBK-A

Clicq-Scan ™Top
Abutment Level Scan Body

Posterior

L	6 mm
Ø	4.5 mm
Art. No.	SBC-U

Anti-Rotational

Uni-Base™ - Straight Ti-Base

H	0.5 mm	1.5 mm	3 mm
C	4.7 mm	4.7 mm	4.7 mm
Ø	4.3 mm	4.3 mm	4.3 mm
Art. No.	TBC-SV-RP	TBC-SV-RP15	TBC-SV-RP30

Rotational

Uni-Base™ - Straight Ti-Base

H	0.5 mm	1.5 mm	3 mm
C	4.7 mm	4.7 mm	4.7 mm
Ø	4.3 mm	4.3 mm	4.3 mm
Art. No.	TBC-SV-RPR	TBC-SV-RP15R	TBC-SV-RP30R

PEEK Abutments and
Temporary Restoration Abutments

PASA-1*

Standard Line
Peek-On anatomical,
straight abutment
1mm Shoulder,
H 10.5mm

PASA-2*

Standard Line
Peek-On anatomical,
straight abutment
2mm Shoulder,
H 11.5mm
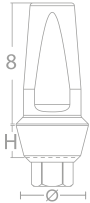
PASA-3*
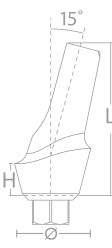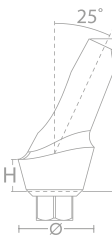
Standard Line
Peek-On anatomical,
straight abutment
3mm Shoulder,
H 12.5mm

*All Peek abutments
are supplied with
TSA-8.3 Implant Level
Screw

Straight white PEEK Abutment *

H	1 mm	2 mm	3 mm	4 mm
Ø	4.8 mm	4.8 mm	4.8 mm	4.8 mm
Art. No.	PA-SV-RP10	PA-SV-RP20	PA-SV-RP30	PA-SV-RP40

Angled white PEEK Abutment 15° and 25° *

25°

15°

L	9 mm	10 mm	11 mm	L	9 mm	10 mm	11 mm
H	1 mm	2 mm	3 mm	H	1 mm	2 mm	3 mm
Ø	5 mm	5 mm	5 mm	Ø	5 mm	5 mm	5 mm
Art. No.	PAA-SV-RP1510	PAA-SV-RP1520	PAA-SV-RP1530		PAA-SV-RP2510	PAA-SV-RP2520	PAA-SV-RP2530

Titanium Temporary Abutments

TTA-ZI-H ±

Anti-Rotational

Temporary-Titanium- Abutment,
Anti-Rotational, ø 4.5 mm
L= 8 mm Hex: 1.29 mm

TTA-ZI-R ±

Rotational

Temporary-Titanium- Abutment,
Rotational, ø 4.5 mm
L= 8 mm Hex: 1.29 mm

± Inclusive TSA-8.3 Titanium Screw

ALSO AVAILABLE AS NARROW-LINE NL-TTA-ZI-H ±
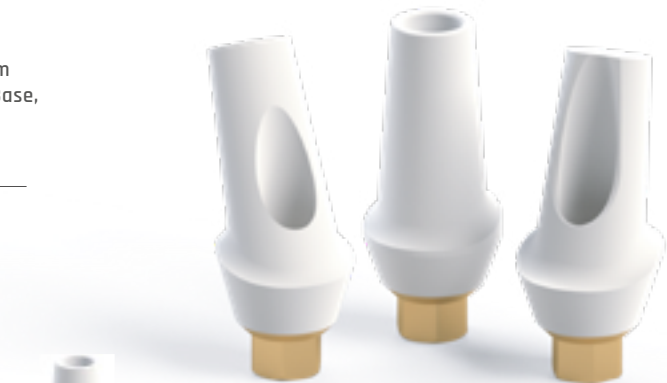
ALSO AVAILABLE AS NARROW-LINE NL-TTA-ZI-R ±

Zirconium Abutments Temporary and final Abutments

ZSTA-8*

Standard Line, Zircorit Zirconium
Straight Abutment with Metal Base,
H 8 mm, L 5 mm

*All Zirconium abut-
ments are supplied
TSA-8.3 Implant Level
Screw
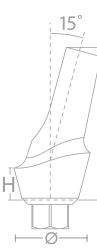
L	10 mm	11 mm	12 mm
H	1 mm	2 mm	3 mm
Ø	5.5 mm	5.5 mm	5.5 mm
Art. No.	ZAA-SV-RP10	ZAA-SV-RP20	ZAA-SV-RP30

15°

25°

L	9.5 mm	10.5 mm	11.5 mm	L	8.5 mm	9.5 mm	10.5 mm
H	1 mm	2 mm	3 mm	H	1 mm	2 mm	3 mm
Ø	5.5 mm	5.5 mm	5.5 mm	Ø	5.5 mm	5.5 mm	5.5 mm
Art. No.	ZAA-SV-RP1510	ZAA-SV-RP1520	ZAA-SV-RP1530	Art. No.	ZAA-SV-RP2510	ZAA-SV-RP2520	ZAA-SV-RP2530
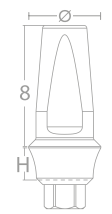
Prosthetics Titanium
Preparable Abutments, straight

SATA-X, SAGA-X Standard Line, straight Anatomic Emergency Profile Titanium Abutment

H	1 mm	2 mm	3 mm	4 mm
L	9.4 mm	10.4 mm	11.4 mm	12.4 mm
Ø5	5 mm	5 mm	mm5	mm
Art. No.	SATA-1	SATA-2	SATA-3	
Gold Color**	SAGA-1*	SAGA-2*	SAGA-3*	
	TAA-SV-RP10	TAA-SV-RP20	TAA-SV-RP30	TAA-SV-RP40

SAGA-X Gold Color**

SSTA-XX Standard Line - Straight Titanium Abutment Traditional Emergency Profile

H	1 mm	2 mm	3 mm	4 mm
Ø	4.8 mm	4.8 mm	4.8 mm	4.8 mm
Art. No.	SSTA-1	SSTA-2	SSTA-3	SSTA-4
	TA-SV-RP10	TA-SV-RP20	TA-SV-RP30	TA-SV-RP40
Narrow Line NL	NL-SSTA-1	NL-SSTA-2	NL-SSTA-3	Narrow Line - Straight Titanium Abutment - Xmm Shoulder

ESPS-XX Standard Line - Straight Titanium Abutment, Emergency Profile

H	1 mm	2 mm	3 mm	4 mm
Ø	4.8 mm	4.8 mm	4.8 mm	4.8 mm
Art. No.	ESPS-1	ESPS-2	ESPS-3	
	TAC-SV-RP10	TAC-SV-RP20	TAC-SV-RP30	TAC-SV-RP40

> ! *All Abutments are supplied with TSA-8.3 Implant Level Screw OR for NL Line with NL-TSA-8.3

Prosthetics Titanium
Preparable Abutments, straight

L	7 mm	9 mm
Ø	3.8 mm	3.8 mm
Art. No.	SSA-SV-RP7	SSA-SV-RP9

± Incl. TSA-8.3 Titanium Screw
*Incl. TSA-8.3 / NL-TSA-8.3# - Titanium Screw
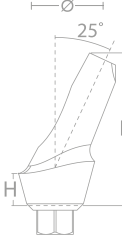
Smooth 5, 7, 9 mm — 6 mm — 8 mm — 10 mm

Ø	3.8 mm	3.8 mm
Art. No.	SLTA-5	Slim Titanium Abutment - 5 mm Smooth
	SLTA-6	Slim Titanium Abutment - 6 mm Smooth
	SLTA-7	Slim Titanium Abutment - 7 mm Smooth
	SLTA-8	Slim Titanium Abutment - 8 mm Smooth
	SLTA-9	Slim Titanium Abutment - 9 mm Smooth
	SLTA-10	Slim Titanium Abutment - 10 mm Smooth

Prosthetics Titanium
Preparable Abutments, angled

EATA-XX Standard Line - 15° Angled Titanium Abutment Anatomic Emergency Profile

15°

H	1 mm	2 mm	3 mm	4 mm
L	9.4 mm	10.4 mm	11.4 mm	12.4 mm
Ø	5 mm	5 mm	5 mm	5 mm
Art. No.	EATA-15-1	EATA-15-2	EATA-15-3	EATA-15-4
	TAA-SV-RP1510	TAA-SV-RP1520	TAA-SV-RP1530	TAA-SV-RP1540

EATA-XX Standard Line - 25° Angled Titanium Abutment Anatomic Emergency Profile

25°
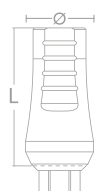
H	1 mm	2 mm	3 mm	4 mm
L	9.4 mm	10.4 mm	11.4 mm	12.4 mm
Ø	5 mm	5 mm	5 mm	5 mm
Art. No.	EATA--25-1	EATA-25-2	EATA-25-3	EATA-25-4
	TAA-SV-RP2510	TAA-SV-RP2520	TAA-SV-RP2530	TAA-SV-RP2540

RITTER™ IMPLANTS
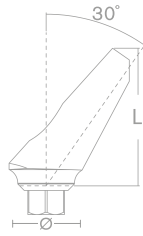
Prosthetics Titanium Standard Platform

Preparable Abutments, straight and angled

STA-XX

L	9 mm	12 mm	15 mm
Ø	4.5 mm	4.5 mm	4.5 mm
Art. No.	STA-9 SA-SV-RP9	STA-12 SA-SV-RP12	STA-15 SA-SV-RP15

Also available as STA-5 - L=5 mm and STA-7- L=7 mm

STA-XXW*

L	9 mm	12 mm
Ø	5.5 mm	5.5 mm
Art. No.	STA-9W SA-SV-RP9W	STA-12W SA-SV-RP12W

Narrow Line NL

NL-STA-10

Narrow Line
Straight Titanium Abutment
10mm

15°

L	9 mm	9 mm	11.5 mm
Ø	3.8 mm	4.8 mm	4.8 mm
	TA-SV-RP1500N	TA-SV-RP1500	TA-SV-RP1500L

Narrow Line NL

NL-ATA-15

Narrow Line
Titanium Abutment
15° Angled

30°

L	9 mm
Ø	5 mm
	TA-SV-RP3500

25°

L	9 mm	11.5 mm
Ø	4.9 mm	5 mm
	TA-SV-RP2500	TA-SV-RP2500L

Standard PUT System

All PUT abutments including plastic Cap PUP-CA

PUT-1S*	Standard Line 4 mm Cone, 1 mm Shoulder
NL-PUT-1S#*	Narrow Line 4 mm Cone, 1 mm Shoulder
PUT-2S*	Standard Line 4 mm Cone, 2 mm Shoulder
NL-PUT-2S#*	Narrow Line 4 mm Cone, 2 mm Shoulder
PUT-3S*	Standard Line 4 mm Cone, 3 mm Shoulder
PUT-1M*	Standard Line 6 mm Cone, 1 mm Shoulder
NL-PUT-1M#*	Narrow Line 6 mm Cone, 1 mm Shoulder
PUT-2M*	Standard Line 6 mm Cone, 2 mm Shoulder
NL-PUT-2M#*	Narrow Line 6 mm Cone, 2 mm Shoulder
PUT-1L*	Standard Line 8 mm Cone, 1 mm Shoulder
NL-PUT-1L#*	Narrow Line 8 mm Cone, 1 mm Shoulder
PUT-2L*	Standard Line 8 mm Cone, 2 mm Shoulder
NL-PUT-2L#*	Narrow Line 8 mm Cone, 1 mm Shoulder
PUT-3L*	Standard Line 8 mm Cone, 3 mm Shoulder
NL-PUT-3L#*	Narrow Line 8 mm Cone, 2 mm Shoulder
PUT-4L*	Standard Line 8 mm Cone, 4 mm Shoulder
NL-PUT-4L#*	Narrow Line 8 mm Cone, 3 mm Shoulder
PUT-15-1M*	Standard Line 15° angled, 8 mm Cone 1 mm Shoulder (a)
PUT-15-2M*	Standard Line 15° angled, 6 mm Cone 2 mm Shoulder (a)
PUT-25-1M*	Standard Line 25° angled, 8 mm Cone 1 mm Shoulder (a)
PUT-25-2M*	Standard Line 25° angled, 6 mm Cone 2 mm Shoulder (a)

*Incl. TSA-8.3 / NL-TSA-8.3#- Titanium Screw
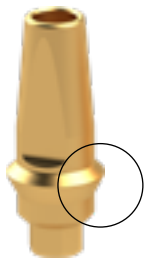
Vertical Platform Shifting PUT System

PUT-1SC*◊	Standard Line 4 mm Cone, 1 mm Shoulder, C◊=0.5 mm Vertical Platform Shift
PUT-2SC*◊	Standard Line 4 mm Cone, 2 mm Shoulder, C◊=1 mm Vertical Platform Shift
NL-PUT-2SC#*◊	Narrow Line 4 mm Cone, 2 mm Shoulder, C◊=1 mm Vertical Platform Shift
PUT-3SC*◊	Standard Line 4 mm Cone, 3 mm Shoulder, C◊=2 mm Vertical Platform Shift
NL-PUT-3SC#*◊	Narrow Line 4 mm Cone, 3 mm Shoulder, C◊=2 mm Vertical Platform Shift
PUT-1MC*◊	Standard Line 6 mm Cone, 0.5 mm Shoulder, C◊=0.5 mm Vertical Platform Shift
NL-PUT-1MC#*◊	Narrow Line 6 mm Cone, 0.5 mm Shoulder, C◊=0.5 mm Vertical Platform Shift
PUT-2MC*◊	Standard Line 6 mm Cone, 1 mm Shoulder, C◊=1 mm Vertical Platform Shift
NL-PUT-2MC#*◊	Narrow Line 6 mm Cone, 1 mm Shoulder, C◊=1 mm Vertical Platform Shift
PUT-3MC*◊	Standard Line 6 mm Cone, 1 mm Shoulder, C◊=2 mm Vertical Platform Shift
NL-PUT-3MC#*◊	Narrow Line 6 mm Cone, 1 mm Shoulder, C◊=2 mm Vertical Platform Shift
PUT-1LC*◊	Standard Line 8 mm Cone, 0.5 mm Shoulder, C◊=0.5 mm Vertical Platform Shift
NL-PUT-1LC#*◊	Narrow Line 8 mm Cone, 1 mm Shoulder, C◊=0.5 mm Vertical Platform Shift
PUT-2LC*◊	Standard Line 8 mm Cone, 1 mm Shoulder, C◊=1 mm Vertical Platform Shift
NL-PUT-2LC#*◊	Narrow Line 8 mm Cone, 1 mm Shoulder, C◊=1 mm Vertical Platform Shift
PUT-3LC*◊	Standard Line 8 mm Cone, 1 mm Shoulder, C◊=2 mm Vertical Platform Shift
NL-PUT-3LC#*◊	Narrow Line 8 mm Cone, 2 mm Shoulder, C◊=2 mm Vertical Platform Shift

◊C= Vertical Platform Shift Measures
#NL = Narrow Line for 3.0 & 3.3 mm ø Implants

RITTER™ IMPLANTS

The Pop Up Impressions - step by step:

All-In-One and Multi Purpose Healing Cap, Impression Cap,
Temporary and Final Abutment

1. Place PUT Abutment with flat side facing the buccal side and hand tighten with 1.29 hex tool.

2. Torque to 35 Ncm, wait 5 minutes and re-tighten to 35 Ncm.

3. Place PUP-CA on PUT Abutment, aligning flat interior of PUP-CA with the flat of the PUT Abutment (which should be facing the buccal). Press downward until you feel the parts snap into place.

4. Place impression tray over components until hardened and remove tray.

5. The PUP-CA will remain in the tray.

6. Send tray along with the appropriate abutment analog to lab for your final crown.

7. Place the TC-PUT on PUT Abutment until final restoration is delivered. (Alternatively, a temporary crown may be placed directly on the PUT Abutment.)

8. Original PUT Abutment is ready for final restoration.

Prosthetics / Impressions

All-In-One / Pop Up Transfer Abutment

PUP-CA	*4PUT / PUT-S, M & L Abutment	
WS-PUT	Wax Sleeve for all PUT Abutments (red) Anti-Rotational	
WS-PUT-R	Wax Sleeve for all PUT Abutments (white) Rotational	
TC-PUT-S	Temporary Cap (4 mm) for PUT-S	
TC-PUT-M	Temporary Cap (6 mm) for PUT-M	
TC-PUT-L	Temporary Cap (8 mm) for PUT-L	

Prosthetics
Abutments for Casting/Lab
+++ for lab use only +++
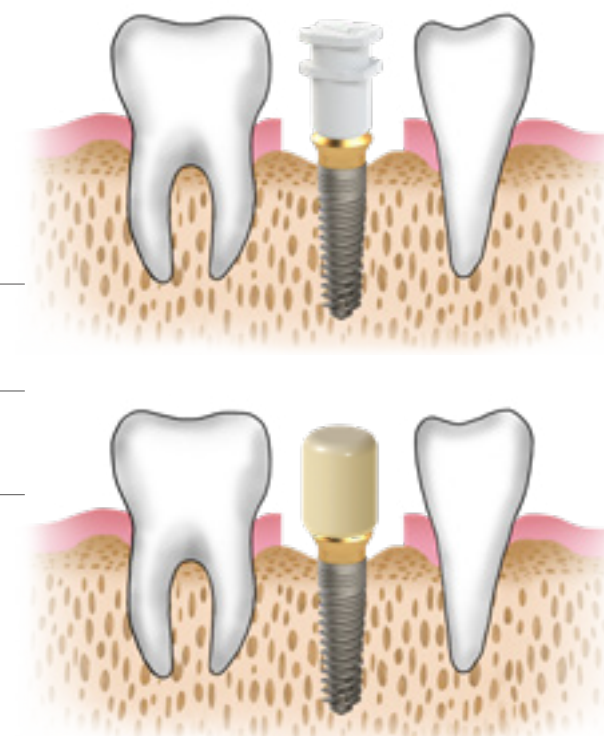
AZA*
Standard Line
Titanium Abutment with
Plastic Casting Sleeve
Titanium base for accurate
restorations. For custom cast
prosthetics.

NL-AZA*#
Narrow Line
Titanium Abutment with
Plastic Casting Sleeve
Titanium base for accurate
restorations. For custom cast
prosthetics.

AZA-CC*
Standard Line
Chromium Cobalt Abutment
with Plastic Casting Sleeve
Chrome Cobalt base for
accurate restorations. For
custom cast prosthetics.

NL-AZA-CC*#
Narrow Line
Chromium Cobalt Abutment
with Plastic Casting Sleeve
Chromium Cobalt base for
accurate restorations. For
custom cast prosthetics.

PAC*
Standard Line
Burn-It Plastic Sleeve Abutment
for Laboratory Casting, rotating

PAC-H*
Standard Line
Burn-It Plastic Sleeve Abutment
for Laboratory Casting,
Anti-Rotational

NL-PAC-H*
Narrow Line
Plastic Abutment Laboratory,
Anti-Rotational

AZA-L*
Standard Line Long
Titanium Abutment with
Plastic Casting Sleeve

AZA-CC-L*
Standard Line Long
Chromium Cobalt Abutment
with Plastic Casting Sleeve

*Incl. TSA-8.3 / NL-TSA-8.3# - Titanium Screw

$^{\circ}$C= Vertical Platform Shifting Measures
#NL = Narrow Line for 3.0 & 3.3 mm ø Implants

Prosthetics
Milling Blanks

ML-10-23*
Standard Line
Millable Blanks for
Casting with 2.43 HEX

NL-ML-10-24*
Narrow Line
Millable Blanks for
Casting with 2.0 HEX

Prosthetics
Removable Overdenture Abutments

ZD ZEST DENTAL SOLUTIONS
ZEST | DANVILLE MATERIALS | PERIOSCOPY

RITTER™ IMPLANTS

Measurement for the height of the tissue sleeve:

The Height of the LOCATOR® Tissue Cuff ranges from 0-6 mm (platform to the bottom of the 1.5 mm coronal section).

The upper section, 1.5 mm of each locator is the same. The transition to the platform (EN) and the connection is different.

Order the cuff height according to Height of the Soft tissue in mm

1.5mm

1 mm   2 mm   3 mm   4 mm   5 mm
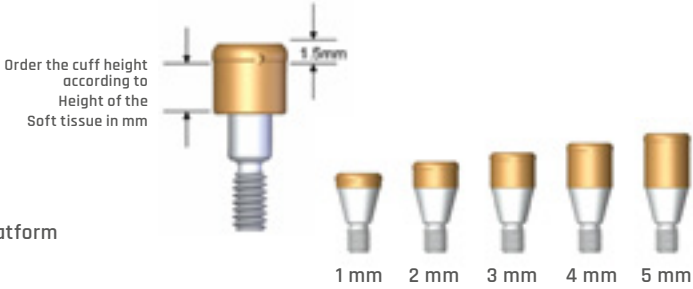
Art. No.	LOCATOR® ABUTMENTS for Ritter Implants
02284-RT-SB	LOCATOR Abutment 1.0mm Cuff for Ritter Implants Standard Platform
02285-RT-SB	LOCATOR Abutment 2.0mm Cuff for Ritter Implants Standard Platform
02286-RT-SB	LOCATOR Abutment 3.0mm Cuff for Ritter Implants Standard Platform
02287-RT-SB	LOCATOR Abutment 4.0mm Cuff for Ritter Implants Standard Platform
02288-RT-SB	LOCATOR Abutment 5.0mm Cuff for Ritter Implants Standard Platform
NL-02308-RT-SB#	LOCATOR Abutment for intern. Hex Ø: 3mm, Cuff: 0.75mm, final packing
NL-02309-RT-SB#	LOCATOR Abutment for intern. Hex Ø: 3mm, Cuff: 2mm, final packing

#NL = Narrow Line for 3.0 & 3.3 mm ø Implants

Interocclusal distance:

Less than 3.2 mm for external hex and 2.5 mm for implants with internal connection (with 0mm cuff height).

Art. No.	ZEST® LOCATOR®-Attachments and Accessories
08393-RT-SB	LOCATOR Core Tool
08390-RT-SB	LOCATOR Abutment Driver, gold
08519-2-RT-SB	LOCATOR Plug Processing Set, 4 Pieces
08505-RT-SB	LOCATOR Impression Coping, 4 Pieces
08510-RT-SB	LOCATOR Replacement Denture Cap, Metal, 4 Pieces
08530-RT-SB	LOCATOR Analogs 4 mm ø, 4 Pieces
08524-RT-SB	LOCATOR Denture Cap, clear, 4 Pieces
08527-RT-SB	LOCATOR Denture Cap, light adhesion, pink, 4 Pieces
08529-RT-SB	LOCATOR Denture Cap, extra light adhesion, blue, 4 Pieces
08547-RT-SB	LOCATOR Denture Cap, green, 4 Pieces
08915-RT-SB	LOCATOR Denture Cap, orange, 4 Pieces
08548-RT-SB	LOCATOR Denture Cap, extra light adhesion, red, 4 Pieces
08558-RT-SB	LOCATOR Denture Cap, no adhesion, gray, 4 Pieces
08517-RT-SB	LOCATOR Parallel Post, 4 Pieces
08515-RT-SB	LOCATOR Black Plug Processing Set, 4 Pieces
09530-RT-SB	LOCATOR Angle measurement guide
08260-RT-SB	LOCATOR 35 Ncm Torque Screwdriver, 15 mm

Denture insert
08510-RT-SB

Standard Line

08529 Extra Light	08527 Light	08524 Regular
Blue 1.5 lbs	Pink 3.0 lbs	Clear 5 lbs

0-10° Angle

Extended Line

08558 Zero	08548 Extra Light	08915 Light	08547 Regular
Gray 0 lbs	Red 1 lbs	Orange 2 lbs	Green 4 lbs

> 10° Angle to 20° per Implant

Bar:

08026

Yellow at Bar constructions

ZD ZEST DENTAL SOLUTIONS®
ZEST | DANVILLE MATERIALS | PERIOSCOPY

LOCATOR® R-Tx & F-Tx

.5 mm R-Tx   1 mm R-Tx   2 mm R-Tx   3 mm R-Tx   4 mm R-Tx   5 mm R-Tx

1 mm F-Tx   2 mm F-Tx   3 mm F-Tx   4 mm F-Tx   5 mm F-Tx

Item No.	LOCATOR R-TX ATTACHMENT SYSTEM
30200-00-SB	LOCATOR R-Tx Attachment System, 3.5mm Internal Hex Connection, 0.5mm Cuff
30200-01-SB	LOCATOR R-Tx Attachment System, 3.5mm Internal Hex Connection, 1mm Cuff
30200-02-SB	LOCATOR R-Tx Attachment System, 3.5mm Internal Hex Connection, 2mm Cuff
30200-03-SB	LOCATOR R-Tx Attachment System, 3.5mm Internal Hex Connection, 3mm Cuff
30200-04-SB	LOCATOR R-Tx Attachment System, 3.5mm Internal Hex Connection, 4mm Cuff
30200-05-SB	LOCATOR R-Tx Attachment System, 3.5mm Internal Hex Connection, 5mm Cuff
Item No.	**LOCATOR F-TX ATTACHMENT SYSTEM**
10200-01-S	LOCATOR F-TX Attachment System, 3.5mm Internal Hex Connection, 1.5mm Cuff
10200-02-S	LOCATOR F-TX Attachment System, 3.5mm Internal Hex Connection, 2mm Cuff
10200-03-S	LOCATOR F-TX Attachment System, 3.5mm Internal Hex Connection, 3mm Cuff
10200-04-S	LOCATOR F-TX Attachment System, 3.5mm Internal Hex Connection, 4mm Cuff
10200-05-S	LOCATOR F-TX Attachment System, 3.5mm Internal Hex Connection, 5mm Cuff

Item No.	LOCATOR R-TX ATTACHMENTS & ACCESSORIES
30002-01	LOCATOR R -Tx Low Retention Insert, Blue, Includes 4
30003-01	LOCATOR R -Tx Medium Retention Insert, Pink, Includes 4
30004-01	LOCATOR R -Tx High Retention Insert, Clear, Includes 4
30021-01	LOCATOR R -Tx Retention Insert Tool
30053-01	LOCATOR R -Tx, 4X Macro Model
Item No.	**LOCATOR F-TX ATTACHMENTS & ACCESSORIES**
10035-01	LOCATOR F-TX Attachment System, High Retention Ball
10010-01	LOCATOR F-TX Seating and Removal Tool
10153-01	LOCATOR F-TX 4X Macro Model
10028-01	LOCATOR F-TX Abutment Driver Manual
10042-01	LOCATOR F-TX Retention Ball Driver

All Attachments come with Connection Screw

COD-XP
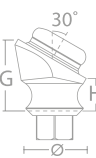
Straight

H	0.5 mm	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm
Ø	4.1 mm	4.1 mm	4.1 mm	4.1 mm	4.1 mm	4.1 mm	4.1 mm
Art. No.	COD-0.5P	COD-1P	COD-2P	COD-3P	COD-4P	COD-5P	COD-6P
Narrow Line NL	NL-COD-0.5P	NL-COD-1P	NL-COD-2P	NL-COD-3P	NL-COD-4P	NL-COD-5P	NL-COD-6P

Angled 18°

18°

G	2.1 mm	2.6 mm	3.6 mm	4.6 mm
H	0.5 mm	1 mm	2 mm	3 mm
Ø	5.2 mm	5.2 mm	5.2 mm	5.2 mm
Art. No.	COD-18-0.5P	COD-18-1P	COD-18-2P	COD-18-3P
Narrow Line NL	NL-COD-18-0.5P	NL-COD-18-1P	NL-COD-18-2P	NL-COD-18-3P

Angled 30°

30°

G	3.1 mm	3.6 mm	4.6 mm	5.6 mm
H	0.5 mm	1 mm	2 mm	3 mm
Ø	5.2 mm	5.2 mm	5.2 mm	5.2 mm
Art. No.	COD-30-0.5P	COD-30-1P	COD-30-2P	COD-30-3P
Narrow Line NL	NL-COD-30-0.5P	NL-COD-30-1P	NL-COD-30-2P	NL-COD-30-3P

MINI-Kit Content

Straight/18°/30° Attachment

COD-MH	1 pcs
COD-RCB	1 pcs
COD-RCY	1 pcs
COD-RCP	1 pcs
COD-RCT	1 pcs
COD-PD	1 pcs

Abutment Analog

L	12.3 mm
Ø	4.1 mm
Art. No.	LOCW-AN

Pick-Up Impression Transfer

L	4.5 mm
Ø	5.65 mm
Art. No.	LOCW-PU

Metal Housing (2 pcs/pack)

L	2 mm
Ø	5.65 mm
Art. No.	LOCW-MH

Retentive Cap (4 pcs/pack)

	Lab use only Black laboratory	Ex-Soft Yellow 0.6kg	Soft Pink 1.2kg	Standard Transparent 1.8kg	Strong Violet 2.7kg
L	1.75 mm	1.75 mm	1.75 mm	1.75 mm	1.75 mm
Ø	5 mm	5 mm	5 mm	5 mm	5 mm
Art. No.	LOCW-RCB	LOCW-RCY	LOCW-RCP	LOCW-RCT	LOCW-RCV

Protective Disc (4 pcs/pack)

Ø1	13.5 mm
Ø2	2.7 mm
Art. No.	LOCW-PD

Insertion & Extraction Tool for Overdenture Attachments

Suitable for all Overdenture lines.

Art. No.	COD-OD-TK

Clicq **PLUS** Overdenture Attachments
Professional Kit, straight and angled

RITTER™
IMPLANTS

Prosthetics /
Removable Overdenture Abutments

RITTER™
IMPLANTS
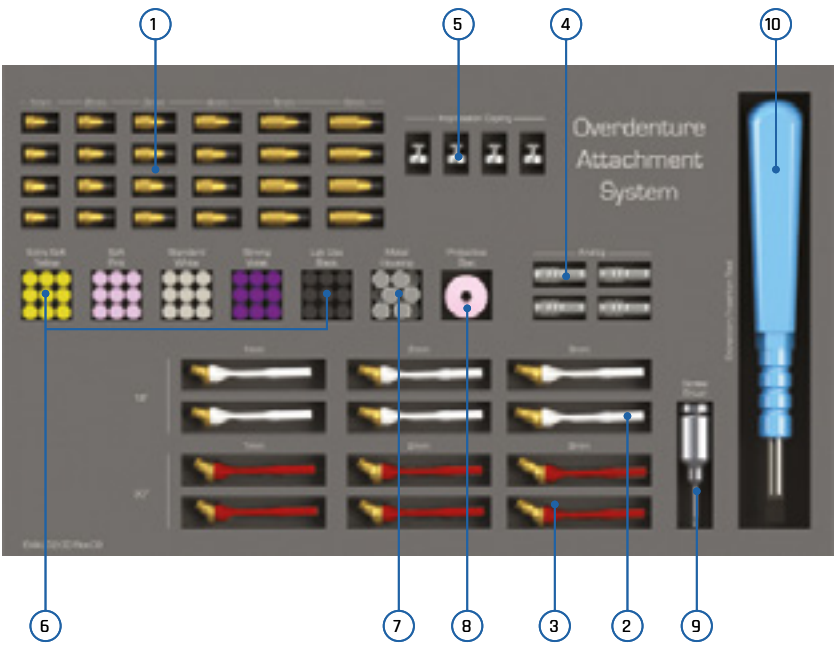
1. Straight Titanium Clicq PLUS - 0.5-5 mm
2. Angled Titanium Clicq PLUS 18° - 1-4 mm
3. Angled Titanium Clicq PLUS 30° - 1-4 mm
4. Abutment Analogs
5. Pick Up Impression Transfer
6. Retentive Caps
7. Metal Housing
8. Protective Disc
9. Screw Driver
10. Insertion & Extraction Tool

! SPECIAL ORDER ONLY - 90 DAYS DELIVERY TIME !

Professional Kit

Art. No.	CODP-RPPK		
		COD-05P	4 pcs
		COD-1P	4 pcs
		COD-2P	4 pcs
		COD-3P	4 pcs
		COD-4P	4 pcs
		COD-5P	4 pcs
		COD-18-1P	2 pcs
		COD-18-2P	2 pcs
		COD-18-3P	2 pcs
		COD-18-4P	2 pcs
		COD-30-1P	2 pcs
		COD-30-2P	2 pcs
		COD-30-3P	2 pcs
		COD-30-4P	2 pcs
		COD-ANP	4 pcs
		COD-PUP	4 pcs
		COD-PTP	4 pcs
		SCL-YP	8 pcs
		SCL-PP	8 pcs
		SCL-TP	8 pcs
		SCL-VP	8 pcs
		SCL-BP	8 pcs
		COD-MCP	10 pcs
		COD-PDP	10 pcs
		COD-HNDP	1 pcs
		COD-OD-TKP	1 pcs

0.5 mm   1 mm   2 mm   3 mm   4 mm   5 mm   6 mm   7mm
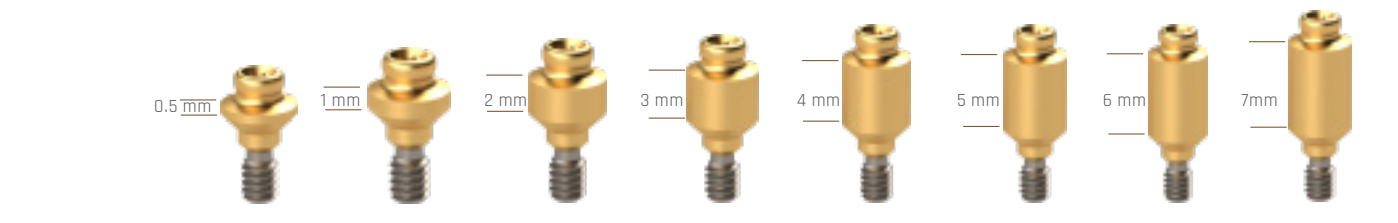
Art. No.	COD-0.5	COD-1	COD-2	COD-3	COD-4	COD-5	COD-6	COD-7
Narrow Line NL	NL-COD-0.5#	NL-COD-1#	NL-COD-2#	NL-COD-3#	NL-COD-4#	NL-COD-5#	NL-COD-6#	

Description	Clicq™ Set; gold color coated, incl. 4 - SCL (per 1 piece.), 1 - BA-SP, 1 - MC-COD 0.5, 1, 2, 3, 4, 5, 6, or 7 mm

Angled Q-Clicq 18° - K=Kit

18°

G	2.5 mm	3.5 mm	4.5 mm	5.5 mm
H	1 mm	2 mm	3 mm	4 mm
Ø1 / Ø2	3.85/5.2 mm	3.85/5.2 mm	3.85/5.2 mm	3.85/5.2 mm
Art. No.	COD-18-1	COD-18-2	COD-18-3	COD-18-4
Narrow Line NL	NL-COD-18-1	NL-COD-18-2	NL-COD-18-3	NL-COD-18-4

NOTICE: The angled locators are available as a Kit with all components, eg. retention caps or holder OR as single part.

Angled Q-Clicq 30° - K=Kit

30°

G	3.5 mm	4.5 mm	5.5 mm	6.5 mm
H	1 mm	2 mm	3 mm	4 mm
Ø1 / Ø2	3.85/5.2 mm	3.85/5.2 mm	3.85/5.2 mm	3.85/5.2 mm
Art. No.	COD-30-1	COD-30-2	COD-30-3	COD-30-4
Narrow Line NL	NL-COD-30-1	NL-COD-30-2	NL-COD-30-3	NL-COD-30-4

MINI-Kit Content

Straight/18°/30° Attachment -	1 pcs
COD-MH	1 pcs
COD-RCB	1 pcs
COD-RCY	1 pcs
COD-RCP	1 pcs
COD-RCT	1 pcs
COD-PD	1 pcs

Q-Clicq Overdenture Attachments
Analog and Accessories

Q-Clicq ™Abutment Analog

L	12.3 mm
Ø	4 mm
Art. No.	COD-AN

Pick-U pImpression Transfer

L	5.5 mm
Ø	4.8 mm
Art. No.	COD-PIT

Q-Clicq ™Impression Transfer

L	3.8 mm
Ø	8.8 mm
Art. No.	COD-IT

Q-Clicq™ Metal Housing (2pcs/pack)

L	2 mm
Ø	4.5 mm
Art. No.	COD-MC

Q-Clicq™ RetentiveCap (4 pcs/pack)

	Lab use only Black laboratory	Ex-Soft Yellow 0.6kg	Soft Pink 1.2kg	Standard Transparent 1.8kg	Strong Violet 2.7kg
L	1.7 mm	1.7 mm	1.7 mm	1.7 mm	1.7 mm
Ø	3.8 mm	3.8 mm	3.8 mm	3.8 mm	3.8 mm
Art. No.	COD-RCB	COD-RCY	COD-RCP	COD-RCT	COD-RCV

ProtectiveDisc (4 pcs/pack)

Ø1	13.5 mm
Ø2	2 mm
Art. No.	COD-PD

Insertion & Extraction Tool for Overdenture Attachment s

Suitable for all Overdenture lines.

Art. No.	COD-OD-TK

Clicq Attachments
Professional Kit
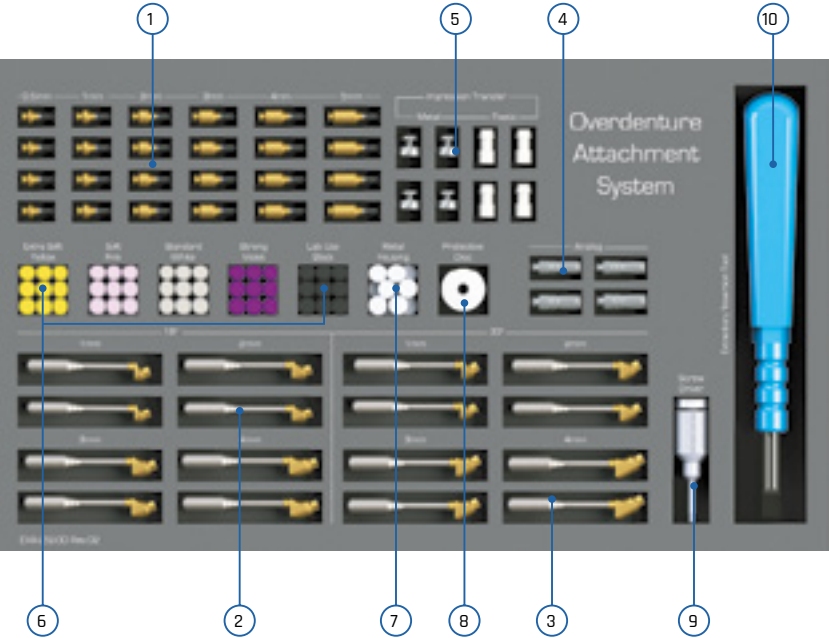
1. Straight Titanium Clicq - 0.5-5 mm
2. Angled Titanium Clicq 18°- 1-4 mm
3. Angled Titanium Clicq 30°- 1-4 mm
4. Abutment Analogs
5. Pick Up Impression Transfer
6. Retentive Caps
7. Metal Housing
8. Protective Disc
9. Screw Driver
10. Insertion & Extraction Tool

! SPECIAL ORDER ONLY - 90 DAYS DELIVERY TIME !

Professional Kit

Art. No.	COD-RPPK

COD-05	4 pcs
COD-1	4 pcs
COD-2	4 pcs
COD-3	4 pcs
COD-4	4 pcs
COD-5	4 pcs
COD-18-1	2 pcs
COD-18-2	2 pcs
COD-18-3	2 pcs
COD-18-4	2 pcs
COD-30-1	2 pcs
COD-30-2	2 pcs
COD-30-3	2 pcs
COD-30-4	2 pcs
COD-AN	4 pcs
COD-PU	4 pcs
COD-PT	4 pcs
SCL-Y	8 pcs
SCL-P	8 pcs
SCL-T	8 pcs
SCL-V	8 pcs
SCL-B	8 pcs
COD-MC	10 pcs
COD-PD	10 pcs
COD-HND	1 pcs
COD-OD-TK	1 pcs
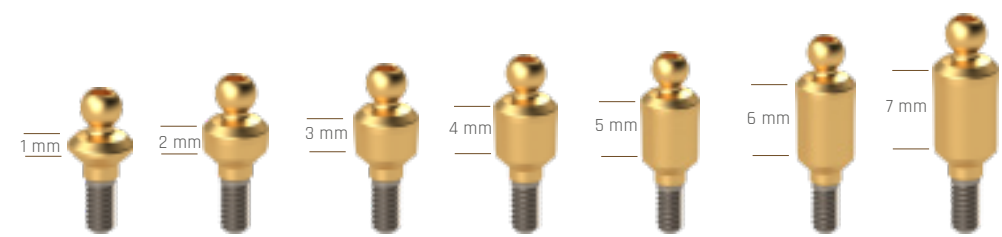
Art. No.	BA-1 NL-BA-1#	BA-2 NL-BA-2#	BA-3 NL-BA-3#	BA-4 NL-BA-4#	BA-5	BA-6	BA-7

Description	Ball-Attachment, gold color coated, incl. 1 SCB, 1 BA-SP, 1 - MCB Metal Cap 1, 2, 3, 4, 5, 6, or 7 mm

#NL = Narrow Line for 3.0 & 3.3 mm ø Implants

Art. No.	SCB-T	SCB-P	SCB-Y	SCB-G	SCB-B	BA-SP	MCB

Description

SCB:	Silicone Adhesive Caps for Ball Attachment
SCB-T:	Transparent (4 pcs.): slightly elastic, retention 2.5-2.9 lbs (1.13 - 1.32 kg)
SCB-P:	Pink (4 pcs.): elastic, retention 1.75-2.0 lbs (0.79 - 0.90 kg)
SCB-Y:	Yellow (4 pcs.): very elastic, retention 1.0-1.3 lbs (0.45 - 0.6 kg)
SCB-G:	Green (4 pcs.): extremely elastic, retention <1 lbs (<0.45 kg)
SCB-B:	Black (4 pcs.): for laboratory use only
BA-SP:	Separator O-Rings for Ball Attachment and Clicq™ Overdenture
MCB:	Metal Insert Cap for Ball Attachment Prosthesis

Prosthetics
Multi Units straight and angled

One Piece Multi-Unit Abutments, straight and angled
Multi-Unit KS-System

Also available in Narrow Line NL

0°

	MU-KS10 NL-MU-KS10	Standard Line Straight Multi Unit 1 mm Shoulder
	MU-KS20 NL-MU-KS20	Standard Line Straight Multi Unit 2 mm Shoulder
	MU-KS30 NL-MU-KS30	Standard Line Straight Multi Unit 3 mm Shoulder
	MU-KS40 NL-MU-KS40	Standard Line Straight Multi Unit 4 mm Shoulder

17°

	MU-KS1710^ NL-MU-KS1710^	Standard Line 17° angled Multi Unit 1 mm/2.4 mm Shoulder (a/b)
	MU-KS1720^ NL-MU-KS1720^	Standard Line 17° angled Multi Unit 2 mm/3.3 mm Shoulder (a/b)
	MU-KS1710H^ NL-MU-KS1710H^	Standard Line 17° angled Multi Unit 1 mm/2.4 mm Shoulder (a/b) with Anti-rotation
	MU-KS1720H^ NL-MU-KS1720H^	Standard Line 17° angled Multi Unit 2 mm/3.3 mm Shoulder (a/b) with Anti-rotation

30°

	MU-KS3010^ NL-MU-KS3010^	Standard Line 30° angled Multi Unit 1 mm/3.3 mm Shoulder (a/b)
	MU-KS3020^ NL-MU-KS3020^	Standard Line 30° angled Multi Unit 2 mm/4.4 mm Shoulder (a/b)
	MU-KS3010H^ NL-MU-KS3020^	Standard Line 30° angled Multi Unit 1 mm/3.3 mm Shoulder (a/b) with Anti-rotation
	MU-KS3020H^ NL-MU-KS3020H^	Standard Line 30° angled Multi Unit 2 mm/4.4 mm Shoulder (a/b) with Anti-rotation

Shoulderheight (a/b)

Shoulderheight

^Inclusive TSAMU Titanium Screw for one piece angled Multi Unit
^Inclusive MU-TSA Titanium Screw & MU-HD Holder
for one piece angled Multi Unit

One Piece Multi-Unit Abutments, straight and angled
Multi-Unit KS-System

Also available in Narrow Line NL

	MU-KS10K NL-MU-KS10K	Multi Unit Set 1 mm Shoulder height Set Image & Inclusive Parts see below
	MU-KS20K NL-MU-KS20K	Multi Unit Set 2 mm Shoulder height Set Image & Inclusive Parts see below
	MU-KS30K NL-MU-KS30K	Multi Unit Set 3 mm Shoulder height Set Image & Inclusive Parts see below
	MU-KS40K NL-MU-KS40K	Unit Set 4 mm Shoulder height Set Image & Inclusive Parts see below

17°

	MU-KS1710K NL-MU-KS1710K	17° angled Multi Unit Set 1 mm/2.4 mm Shoulder height (a/b) Set Image & Inclusive Parts see below
	MU-KS1720K NL-MU-KS1720K	17° angled Multi Unit Set 2 mm/3.3 mm Shoulder height (a/b) Set Image & Inclusive Parts see below

30°

	MU-KS3010K NL-MU-KS3010K	30° angled Multi Unit Set 1 mm/3.3 mm Shoulder height (a/b) Set Image & Inclusive Parts see below
	MU-KS3020K NL-MU-KS3020K	30° angled Multi Unit Set 2 mm/4.4 mm Shoulder height (a/b) Set Image & Inclusive Parts see below

Multi Unit Set Components

Inclusive: Healing Cap, open and closed TrAnsfer, Plastic Sleeve, Titanium Sleeve, Analog & 2 Screws

Note: Illustration for display purposes only. The items are supplied in blister packaging.

One Piece Angled Multi Unit & Straight Multi Unit KS System Kits

Image	Item No.	Description
Image Shown Below	na	Multi Unit Professional Kit Image & Included Parts Show Below

Multi Unit Professional Kit Parts:

Accessories Included

Item Code	Description	QTY
MU-KSAN	Analog Abutment	6
MU-KSOTT	Open Tray Transfer	6
MU-KSSL	Titanium Sleeve	6
MU-KSPT	Closed Tray Transfer	6
MU-KSHC	Healing Cap Includes Screw	6
MU-KSSLP	Plastic Sleeve	6
MU-KSAC-R	Rotational Adhesive Cap	2
MU-KSAC-AR	Anti Rotational Adhesive Cap	2
MU-KSTS	Screw for Cone Connection	10
HHDA	Screw Driver	1
MU-KS-SB	Scan Body	1

COMING SOON

Abutments Included

Includes Screw MU-TSA and Carrier MU-HD not sold individually:

Item Code	QTY
MU-KS10	4
MU-KS20	4
MU-KS30	4
MU-KS40	4
MU-KS50	4
MU-KS1710	3
MU-KS1720	3
MU-KS1710H	1
MU-KS1720H	1
MU-KS3010	3
MU-KS3020	3
MU-KS3010H	1
MU-KS3020H	1
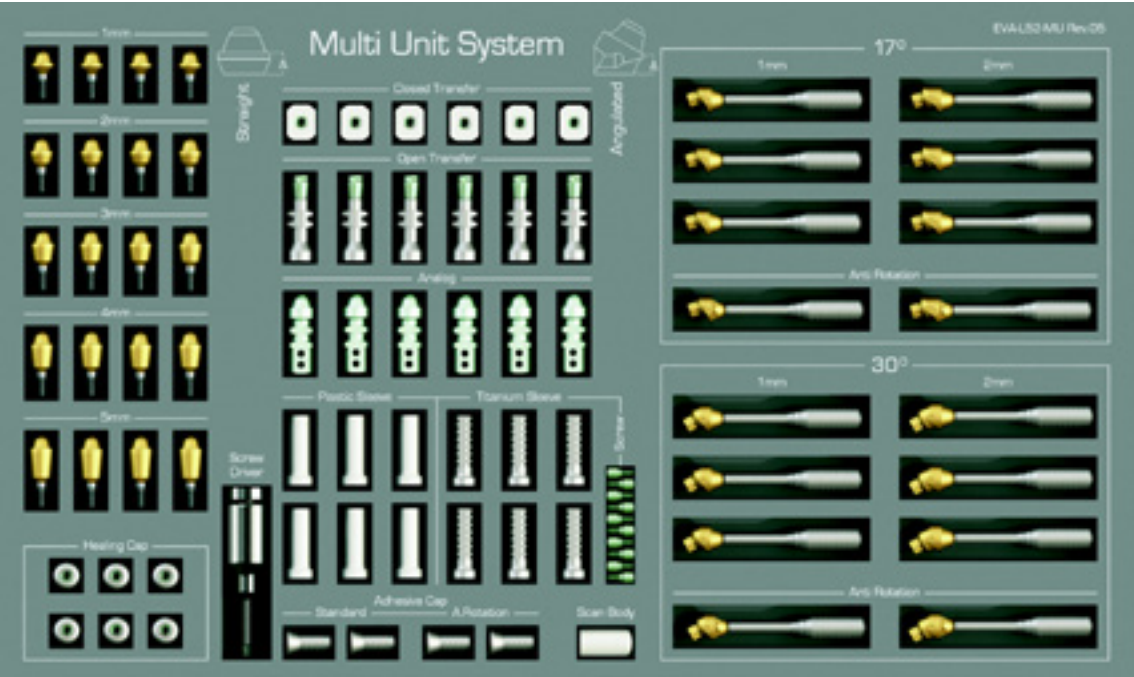
One Piece Multi-Unit Abutments, straight and angled Multi-Unit KS-System - Overview

RITTER™ IMPLANTS

REF MU-KSAN

Analog Abutment for Multi Unit KS System (Cone with M 1.6 X 0.35),

REF MU-KSOTT

Open Transfer for All on 4 / on 6 Multi Unit KS System (REF MU-KSTSOT Titanium Screw inclusive),

REF MU-KSSL

Titanium Sleeve for Multi Unit KS System (REF MU-KSTS Titanium Screw inclusive)

REF MU-KSPT

Closed Plastic Transfer for Multi Unit KS System (Assembled with REF MU-KSTS Titanium Screw REF MU-KSPTB Basis for closed Transfer)

REF MU-KSTS

Titanium Screw for Multi Unit Cone ABUTMENT LEVEL M 1.6 X 0.35 - KS System

REF MU-KSHC

Healing Cap for Multi Unit KS System (Assembled with REF MU-KSTS Titanium Screw)

REF MU-KSSLP

Plastic Sleeve for Multi Unit KS System (REF MU-KSTS Titanium Screw inclusive)

REF MU-KSAC-R
Adhesive Cap, rotating

(REF MU-KSTS Titanium Screw inclusive)

REF MU-KSAC-AR
Adhesive Cap, non-rotating
*for single restoration
(REF MU-KSTS Titanium Screw inclusive)

ABUTMENT LEVEL

IMPLANT LEVEL
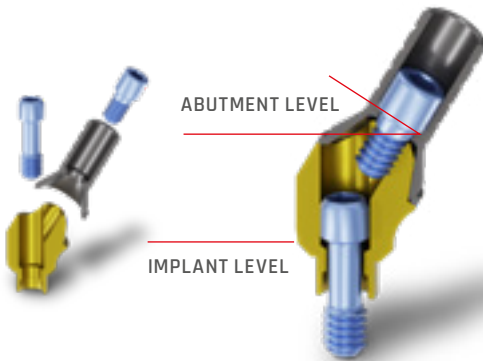
2-piece Multi-Unit Abutments, straight and angled

	MUL-17-1	Multi Unit 17° angled 1 mm Shoulder H (a) incl. Picture 1
	MUL-17-2	Multi Unit 17° angled 2 mm Shoulder H (a) incl. Picture 1
	MUL-17-3	Multi Unit 17° angled 3 mm Shoulder H (a) incl. Picture 1
	MUL-30-1	Multi Unit 30° angled 1 mm Shoulder H (a) incl. Picture 1
	MUL-30-2	Multi Unit 30° angled 2 mm Shoulder H (a) incl. Picture 1
	MUL-30-3	Multi Unit 30° angled 3 mm Shoulder H (a) incl. Picture 1
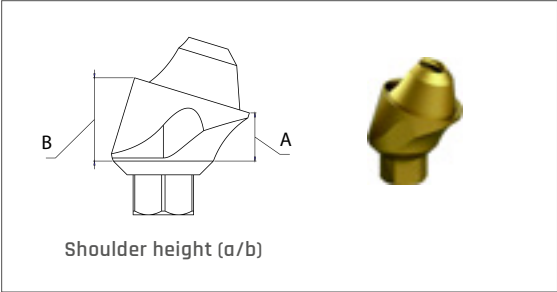
	MUL-COD-0.5	Clicq™ Overdenture .5 mm Shoulder H incl. Picture 2
	MUL-COD-1	Clicq™ Overdenture 1 mm Shoulder H incl. Picture 2
	MUL-COD-2	Clicq™ Overdenture 2 mm Shoulder H incl. Picture 2
	MUL-SAM-1	Clicq™ Overdenture Straight Attachment 1 mm Shoulder H incl. Picture 2
	MUL-SAM-2	Clicq™ Overdenture Straight Attachment 2 mm Shoulder H incl. Picture 2
	MUL-BA-1	Ball-Attachment 1 mm Shoulder H incl. Picture 3
	MUL-BA-2	Ball-Attachment 2 mm Shoulder H incl. Picture 3

B   A

Shoulder height (a/b)

Picture 1

Support and 2 x MUL-SMU

Picture 2

incl. 4 - SCL (per 1 Stk.),
1 - BA-SP and 1 - MC-COD

Picture 3

incl. 1 - SCB-P,
1 - BA-SP and 1 - MCB

	MUL-TSCA	Titanium Sleeve for Attachment-Abutment for Multi Unit Incl. MUL-SCS
	MUL-OTSCA	Open Transfer for Attachment-Abutment for Multi Unit, Incl. MUL-SOT
	MUL-TTA-9	Temporary Titanium- 9 mm-Abutment for Multi Unit
	MUL-TTA-12	Temporary Titanium- 12 mm-Abutment for Multi Unit
	MUL-STA-9	Straight Abutment
	MUL-SCS	Screw for straight Attachment-Abutment for Multi Unit
	MUL-PSCA	Plastic Sleeve for Attachment- Abutment for Multi Unit Incl. MUL-SCS
	MUL-SMU	Screw for MUL-17 & MUL-30

*Incl. MU-KSTS Titanium Screw
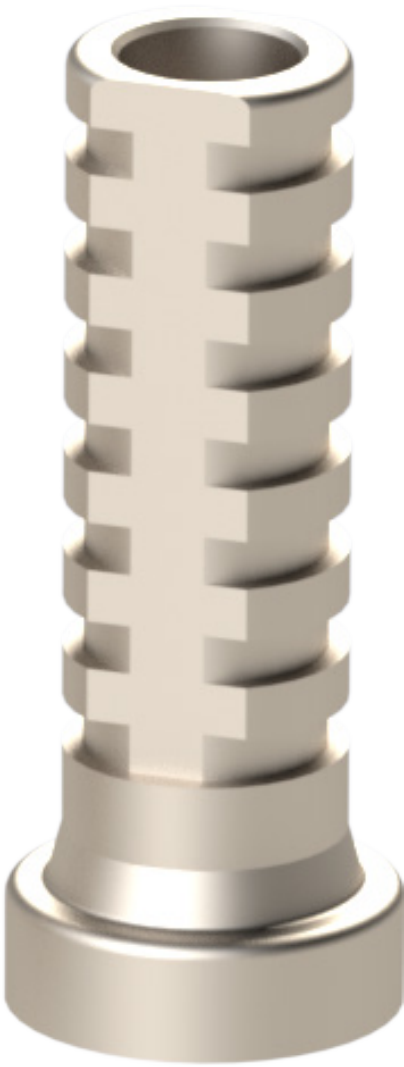
Biologics
DentalFix™ Dental Bone Particulate
Only Available for Domestic Non-Laboratory or Research Use

DentalFix™ Mineralized Cancellous Particulate	423202	0.25 cc
	423205	0.5 cc
	423210	1.0 cc
	423220	2.0 cc
	423250	5.0 cc
DentalFix™ Mineralized Cort/Canc Particulate	423002	0.25 cc
	423005	0.5 cc
	423010	1.0 cc
	423020	2.0 cc
	423050	5.0 cc
DentalFix™ Mineralized Cortical Particulate	423102	0.25 cc
	423105	0.5 cc
	423110	1.0 cc
	423120	2.0 cc
	423150	5.0 cc

DentalFix™ regenerative implants provide quality grafting solutions for the informed clinician.

Reliable grafting options are available in the form of DBM putty, dermis, Matrix OI® FlexIT, Matrix OI®, demineralized and mineralized cortical and cancellous grafts, including particulate bone, for optimal long-term osteointegration and esthetic results. Clinicians can avoid the need for clinically challenged secondary surgical site autografts associated morbidity by using CellRights DentalFix™ products.

Technologies® validated BioRinse™ sterilization process uses proprietary rinsing agents in multiple combinations designed to kill pathogenic microorganisms, vegetative bacteria and spores. These steps include the removal of debris, blood, bone marrow, and lipids. The BioRinse™ process is a technologically advanced science developed for use in all product families including osteoinductive in-vivo verified Matrix OI® family of products. BioRinse™, in combination with our final sterilization step, ensures a medical device sterility assurance level (SAL 10-6) for all CellRight products.

The grafts should be stored in ambient temperatures (59-86°F or 15-30°C).

Elongated particle design for maximum surface area Indications for use: sinus and ridge augumentation, socket preservation, bone void filling.

- Mineralized cortial particulate - jar
- Mineralized cancellous particulate - jar
- Mineralized cortical/cancellous particulate - jar
- Five year shelf life
- Sterility assurance level (SAL) of 10-6

DentalFix™ implants are currently used in oral regenerative procedures including:

- periodontal defects
- tunnelling soft tissue augmentation
- sinus augumentation
- extraction socket with partial Buccal wall
- socket extraction procedures
- repair of 3-wall defects
- repair to access windows
- sinus-lift with lateral access & lateral ridge augmentation

Biologics

MatrixOI® FlexIT
Only Available for Domestic Non-Laboratory or Research Use

MatrixCellect® 100 DBM Putty
Only Available for Domestic Non-Laboratory or Research Use
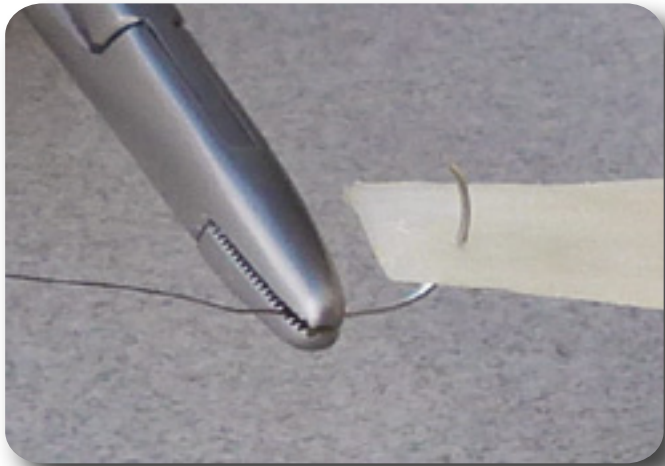
Matrix OI® FlexIT, when hydrated, is a thin pliable cortical sheet that has the ability to be sized with scissors or a scalpel.

RECONSTITUTION/PREPARATION

To accelerate graft reconstitution, submerge the Matrix OI® FlexIT in luke warm water or saline for 10-30 minutes and manipulate periodically, especially for larger size grafts. Graft pliability may occur sooner than 10-30 minutes.

MatrixCellect® 100 is a DBM Putty derived from 100% allograft bone.

New Bone

Osteocytes

Bone Marrow

Chondrocytes

Cartilage

New Bone

MatrixCellect® 100

MatrixCellect® 100

New Bone

New Bone

Osteocytes

MatrixCellect® 100 Histology

Image	Item No.	Description
Matrix OI® FlexIt	446001	10 x 10 mm
	446007	17 x 10 mm
	446003	15 x 15 mm
	446004*	20 x 20 mm
	446005*	20 x 30 mm
	446005*	30 x 30 mm
	446006*	50 x 25 mm

Matrix OI® products are verified for osteoinductivity prior to release for distribution. In-vivo Matrix OI® test results demonstrate all five (5) bone-forming elements present (Chondrocytes, Osteocytes, Bone Marrow, Cartilage, and New Bone). In-vitro Matrix OI® test results for BMP levels demonstrate Matrix OI® products have up to 19x the native BMP levels of the BMP-2 control.

The grafts are freeze-dried and sterilized using low-dose gamma irradiation to achieve a sterility assurance level (SAL) of 10-6. The grafts should be stored in ambient temperatures (59-86°F or 15-30°C) and have a shelf-life of up to five (5) years from the date of packaging.

Our proprietary next-generation BioRinse™ processing technology has been proven to preserve native bone morphogenic proteins (BMP's).

Matrix OI® FlexIT is indicated for use in craniomaxillofacial applications including cranial repair, orbital floor, and zygomatic fractures, involving sutures, plates, anchors, and other fixation devices. Other uses for Matrix OI® FlexIT include acetabular reconstruction, posterolateral spinal procedures, long-bone fracture plate, non-unions, and dental procedures.
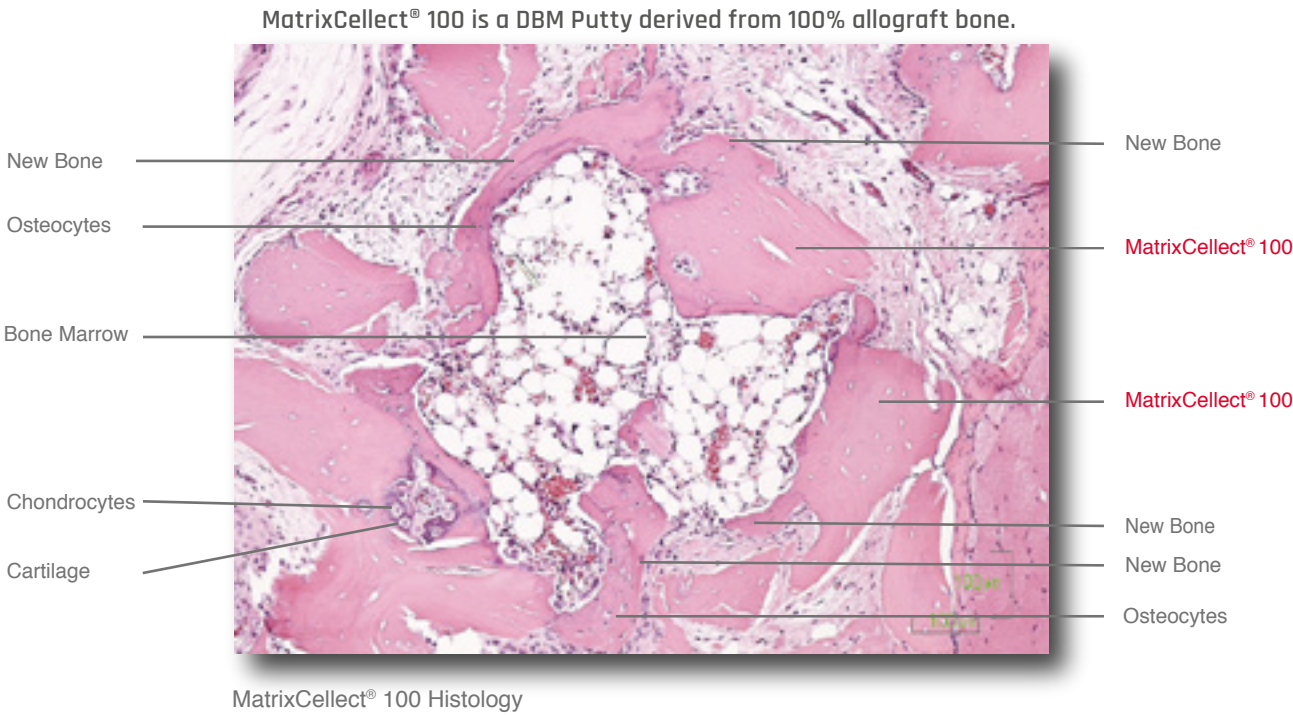
MatrixCellect® 100 is a 100% DBM putty processed using our proprietary demineralization process. MatrixCellect® 100 has been histologically proven post sterilization to exhibit five elements of bone formation. MatrixCellect® 100 does not contain any extrinsic carriers and is entirely derived from 100% allograft bone. MatrixCellect® 100 is provided in a ready to use syringe or jar.

MatrixCellect® 100 is provided with a medical device Sterility Assurance Level (SAL) 10-6. The product should be stored in ambient temperatures and has a shelf life of up to two years from the date of packaging.

MatrixCellect® 100 is indicated for homologous use for the treatment of surgically created or traumatic skeletal defects.

We employ strict quality assurance and quality control procedures to ensure patient safety. Our medical director, a licensed physician, performs an extensive medical review of the donor's medical/social history to determine eligibility. Only donors whose screening, serologic, and microbiologic tests meet or exceed the current standards established by the Food and Drug Administration (FDA) and the American Association of Tissue Banks (AATB) are accepted for transplantation.

MatrixCellect® 100 may be used in surgical procedures including:

- Spine
- Neuro
- Orthopedics
- Trauma
- Reconstruction
- Foot & Ankle
- Dental

Image	Item No.	Description
MatrixCellect® 100 DBM Putty Syringe	452005	0.5 cc
	452010	1.0 cc
	452025	2.5 cc
	452050*	5.0 cc
	452100*	10 cc

* Available upon request, not available online.

RITTER™ IMPLANTS

MatrixCellect® 100 DBM Crunch
Only Available for Domestic Non-Laboratory or Research Use

ConCelltrate® 100
Only Available for Domestic Non-Laboratory or Research Use

RITTER™
IMPLANTS

MatrixCellect® 100 DBM Crunch is derived from 100% allograft bone.

ConCelltrate® 100 is derived from 100% human allograft bone.

ConCelltrate® 100 Histology

MatrixCellect® 100 DBM Crunch is processed using our proprietary demineralization process. It has been histologically proven post-sterilization to exhibit five elements of bone formation. MatrixCellect® 100 DBM Crunch does not contain any extrinsic carriers and is entirely derived from 100% allograft bone. MatrixCellect® 100 DBM Crunch is provided in a jar.

MatrixCellect® 100 DBM Crunch is provided with a medical device Sterility Assurance Level (SAL) 10-6. The product should be stored in ambient temperatures and has a shelf life of up to two years from the date of packaging.

MatrixCellect® 100 DBM Crunch is indicated for homologous use for the treatment of surgically created or traumatic skeletal defects.

We employ strict quality assurance and quality control procedures to ensure patient safety. Our medical director, a licensed physician, performs an extensive medical review of the donor's medical/social history to determine eligibility. Only donors whose screening, serologic, and microbiologic tests meet or exceed the current standards established by the Food and Drug Administration (FDA) and the American Association of Tissue Banks (AATB) are accepted for transplantation.

MatrixCellect® 100 DBM Crunch may be used in surgical procedures including:
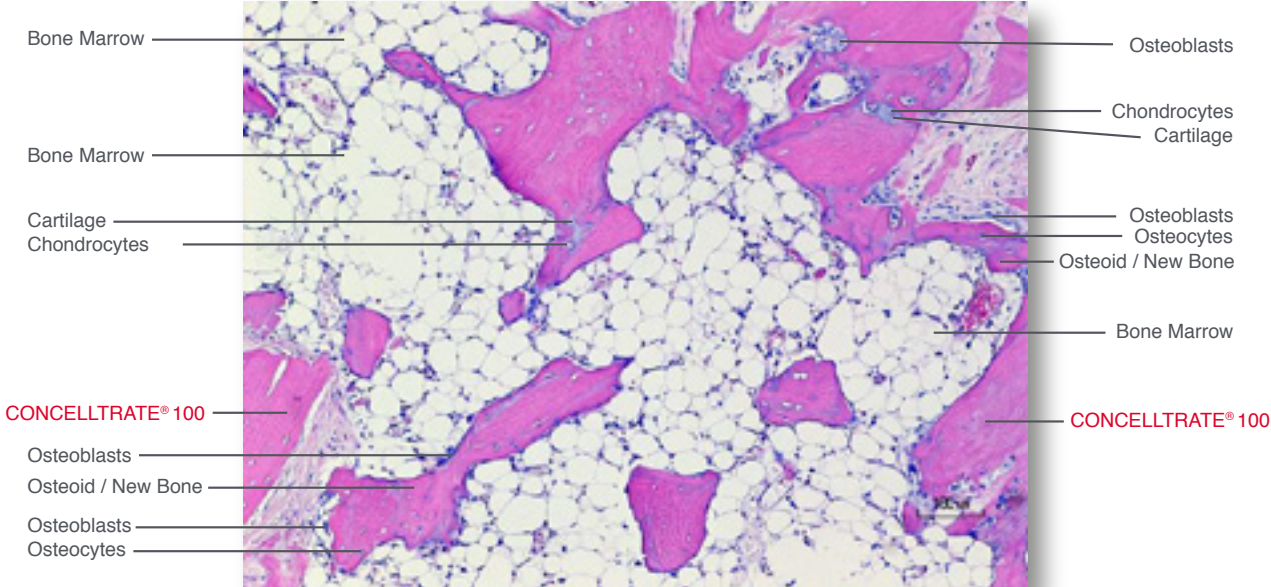
· Spine   · Reconstruction
· Neuro   · Foot & Ankle
· Orthopedics   · Dental
· Trauma

Image	Item No.	Description
MatrixCellect® 100 DBM Crunch Jar	455005*	0.5 cc
	455010*	1.0 cc
	455025*	2.5 cc
	455050*	5.0 cc
	455100*	10 cc

* Available upon request, not available online.

ConCelltrate® 100 has been histologically proven to contain all 5 elements of bone formation including new bone, bone marrow, osteocytes, chondrocytes, and cartilage in the athymic rat post-implantation at 28 days. In-vivo testing is performed by an independent laboratory on every lot post-sterilization.

ConCelltrate® 100 is processed using our proprietary process. ConCelltrate® 100 may be hydrated with saline, blood, Bone Marrow Aspirate (BMA), Platelet Rich Plasma (PRP), or other cellular components in accordance with a physicians well-informed medical judgement. ConCelltrate® 100 does not contain any extrinsic carriers and is entirely derived from 100% human allograft bone. ConCelltrate® 100 is provided in a ready to use mixing jar.

ConCelltrate® 100 is provided sterile with a medical device Sterility Assurance Level (SAL) 10-6. The product should be stored in ambient temperatures and has a shelf-life of up to five years from the date of packaging.

We employ strict quality assurance and quality control procedures to ensure patient safety. Our medical director, a licensed physician, performs an extensive medical review of the donor's medical/social history to determine eligibility. Only donors whose screening, serologic, and microbiologic tests meet or exceed the current standards established by the Food and Drug Administration (FDA) and the American Association of Tissue Banks (AATB) are accepted for transplantation.

ConCelltrate® 100 is indicated for homologous use for the treatment of surgically created or traumatic skeletal defects.

ConCelltrate® 100 may be used in surgical procedures including:

· Spine   · Reconstruction
· Neuro   · Foot & Ankle
· Orthopedics   · Dental
· Trauma

Image	Item No.	Description
ConCelltrate® 100 Jar	453005*	0.5 cc
	453010*	1.0 cc
	453025*	2.5 cc
	453050*	5.0 cc
	453100*	10 cc

* Available upon request, not available online.

MatrixOI® Cortical Fibers
Only Available for Domestic Non-Laboratory or Research Use

Matrix OI® cortical fibers are derived from 100% human allograft bone.

- Bone Marrow
- Osteoblasts
- Chondrocytes
- Osteocytes
- New Bone
- New Bone
- Osteocytes
- Cartilage
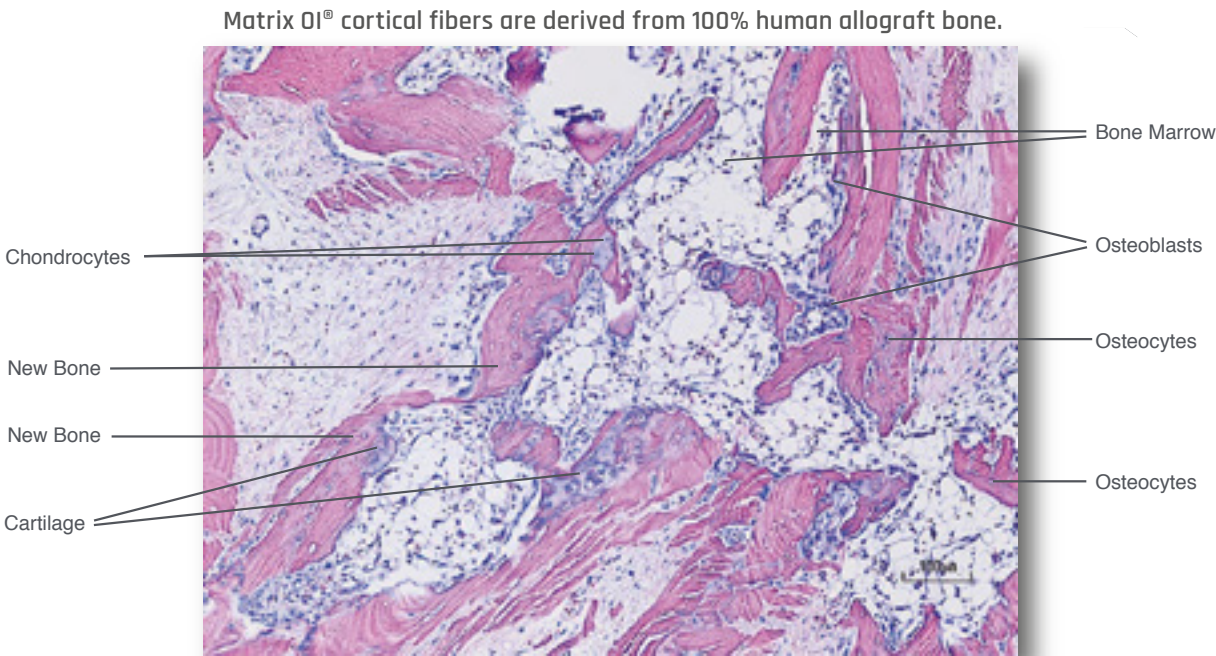
Matrix OI® Cortical Fibers Histology

Matrix OI® cortical fibers have been histologically proven to contain all 5 elements of bone formation including new bone, bone marrow, osteocytes, chondrocytes, and cartilage in the athymic rat post-implantation at 28 days. In-vivo testing is performed by an independent laboratory on every Matrix OI® lot post-sterilization.

Matrix OI® cortical fibers are processed using our proprietary BioRinse® process. Matrix OI® cortical fibers may be hydrated with saline, blood, Bone Marrow Aspirate (BMA), Platelet Rich Plasma (PRP), or other cellular components in accordance with a physicians well-informed medical judgement. Matrix OI® cortical fibers do not contain any extrinsic carriers, and are derived entirely from 100% human allograft bone. Matrix OI® cortical fibers are provided in a ready to use mixing jar.

Matrix OI® cortical fibers are provided sterile with a medical device Sterility Assurance Level (SAL) 10-6. The product should be stored in ambient temperatures and has a shelf life of five years from the date of packaging.

We employ strict quality assurance and quality control procedures to ensure patient safety. Our medical director, a licensed physician, performs an extensive medical review of the donor's medical/social history to determine eligibility. Only donors whose screening, serologic, and microbiologic tests meet or exceed the current standards established by the Food and Drug Administration (FDA) and the American Association of Tissue Banks (AATB) are accepted for transplantation.

Matrix OI® cortical fibers are indicated for homologous use for the treatment of surgically created or traumatic skeletal defects.

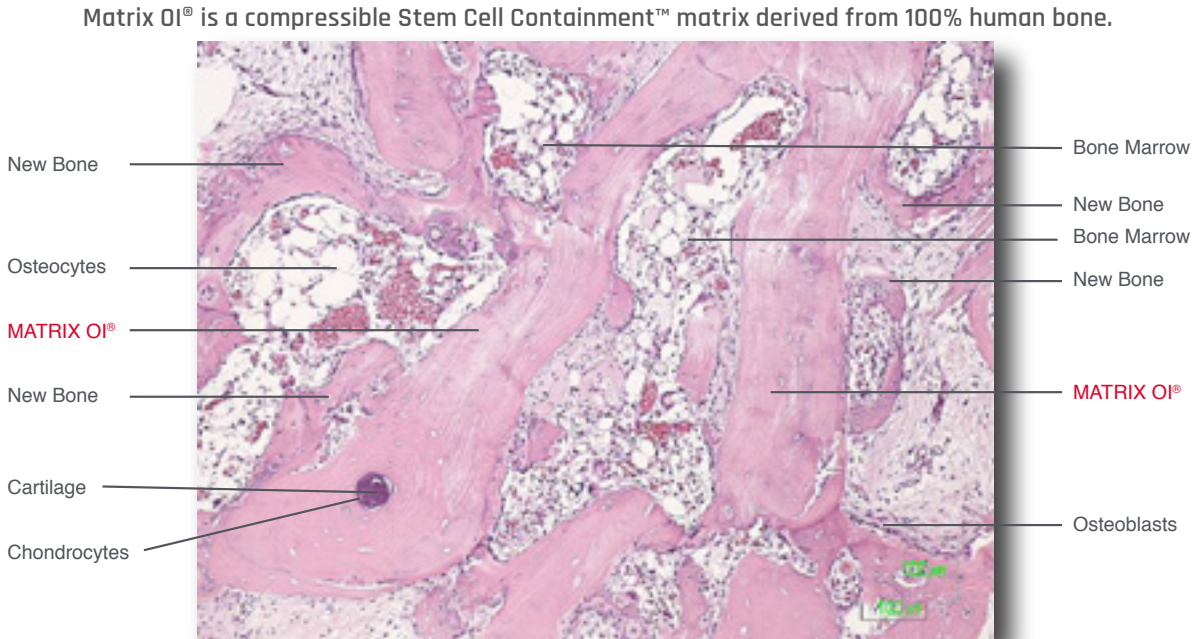Matrix OI® cortical fibers may be used in surgical procedures including:

- Spine
- Reconstruction
- Neuro
- Foot & Ankle
- Orthopedics
- Dental
- Trauma

Image	Item No.	Description
Matrix OI® Cortical Fibers Jar	445010*	Extra Small (approx. 1.0 cc)
	445025*	Small (approx. 2.5 cc)
	445050*	Medium (approx. 5.0 cc)
	445100*	Medium (approx. 10 cc)

* Available upon request, not available online.

MatrixOI® Fusion Matters
Only Available for Domestic Non-Laboratory or Research Use

Matrix OI® is a compressible Stem Cell Containment™ matrix derived from 100% human bone.

- New Bone
- Bone Marrow
- New Bone
- Osteocytes
- Bone Marrow
- New Bone
- MATRIX OI®
- New Bone
- MATRIX OI®
- Cartilage
- Chondrocytes
- Osteoblasts

Matrix OI® Histology

Each lot of Matrix OI® is tested for osteoinductivity post sterilization in-vivo for 28 days in an athymic rat to ensure the presence of bone morphogenic proteins. BMP's promote mesenchymal (BMA) cells to differentiate into chondrocytes and osteoblasts that lead to bone formation. Preserved native BMP's provide for an unparalleled osteoactive grafting material.

Matrix OI® is processed using next-generation proprietary processing method that maintains the interconnected structure of trabecular bone in a manner that preserves native bone morphogenic proteins. It allows the clinician to hydrate it with the patient's own stem cells, BMA, growth factors, PRP, or with an antibiotic solution.

Matrix OI® is indicated for homologous use in cervical and lumbar spine, scoliosis, lateral gutters, orthopedics, bone voids, recon, CMF, non-unions, foot and ankle, and dental procedures. When hydrated, Matrix OI® is a compressible scaffold that will contour with the defect.

Image	Item No.	Description
Matrix OI® Strip	442007*	50 x 20 x 7 mm
	442006*	50 x 10 x 7 mm
	442008*	26 x 19 x 7 mm
Other sizes available	442001*	20 x 10 x 10 mm
Matrix OI® Filler	444225*	2.5 cc
	444250*	5.0 cc
	444300*	10 cc

The grafts should be stored in ambient temperatures (59-86°F or 15-30°C)

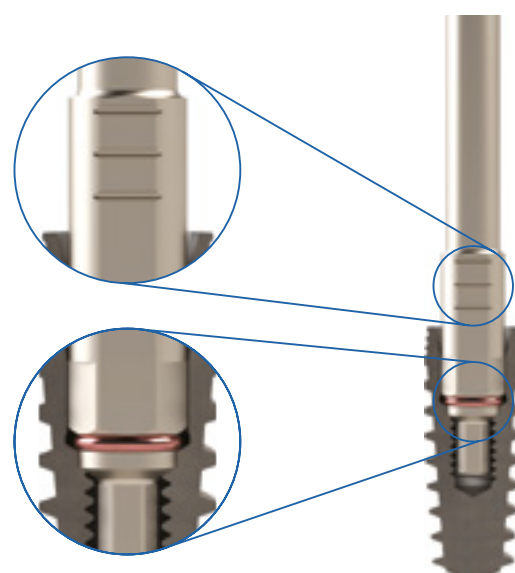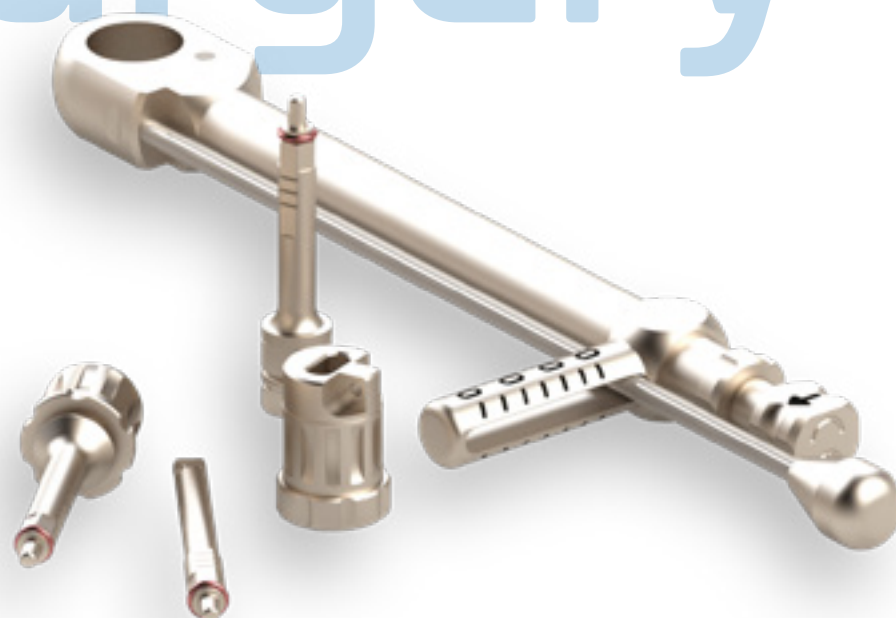| Image	Item No.	Description
Matrix OI® Block	441010*	10 mm^3
	441012*	12 mm^3
	441014*	14 mm^3

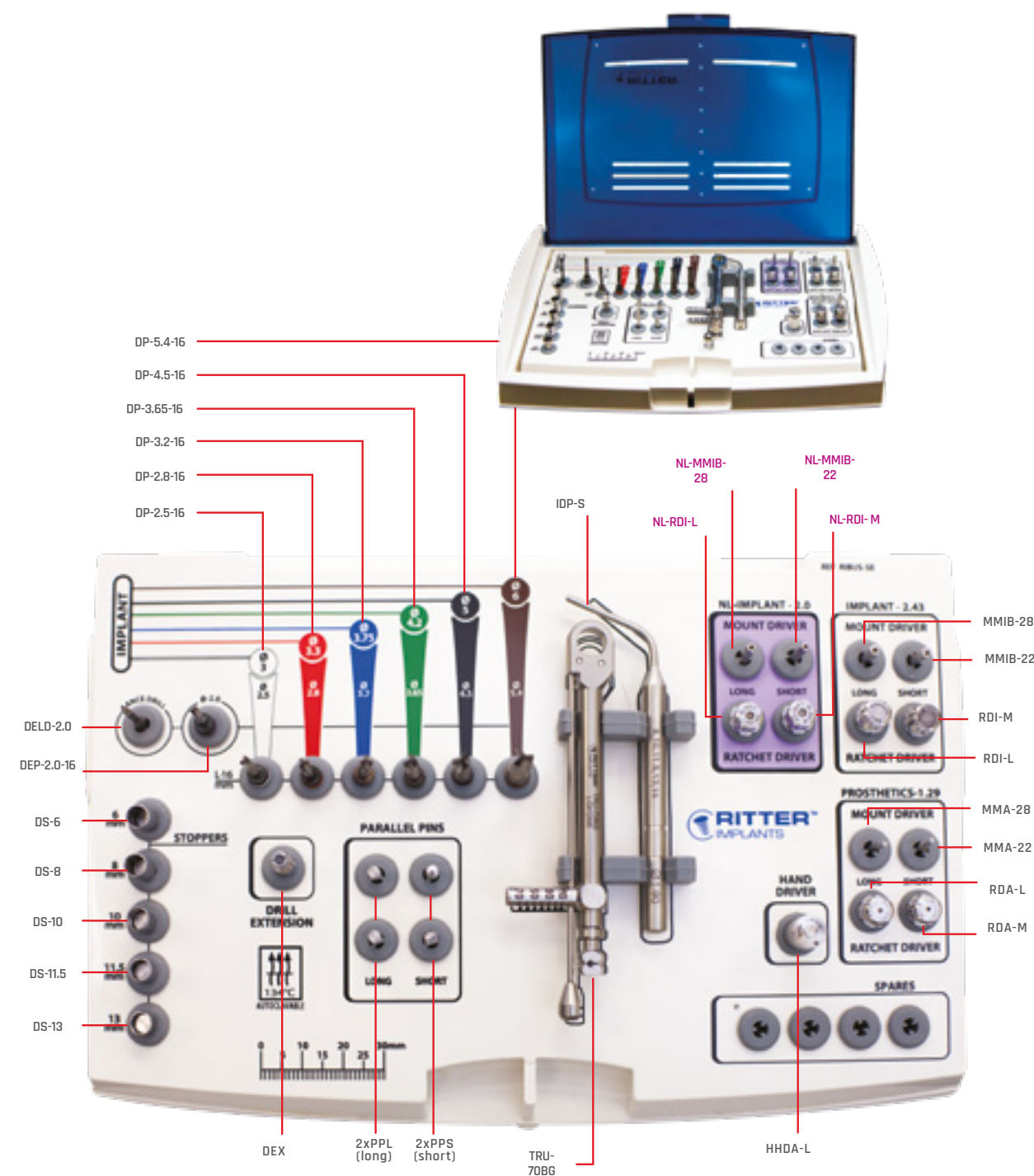* Available upon request, not available online.

Surgery

RITTER ™
IMPLANTS

This Compact Surgical Kit contains all basic tools and drills to place all Ritter SB/LA Implants and system components. **The drill stop function is provided by stopper sleeves.**

Many insertion tools / motor mounts are provided with a fixing mechanism to prevent loss of the temporary attachment and gingiva height markings in mm increments - for better orientation of the insertion depths.

DP-5.4-16
DP-4.5-16
DP-3.65-16
DP-3.2-16
DP-2.8-16
DP-2.5-16

IDP-S

NL-MMIB-28
NL-MMIB-22

NL-RDI-L
NL-RDI- M

NL-IMPLANT - 2.0
IMPLANT - 2.43

MMIB-28
MMIB-22

RDI-M
RDI-L

DELD-2.0
DEP-2.0-16

DS-6
DS-8
DS-10
DS-11.5
DS-13

STOPPERS

PARALLEL PINS

DRILL EXTENSION

LONG   SHORT

PROSTHETICS-1.29
MMA-28
MMA-22

RDA-L
RDA-M

HAND DRIVER

SPARES

DEX   2xPPL (long)   2xPPS (short)   TRU-70BG   HHDA-L

Complete Surgical Kit

Art. No. RIBEU-PE

The Complete Surgical Kit contains all necessary tools and drills to place all Ritter SB/LA Implants and components. The drills are conical and with integrated drill stop function.

RITTER™ IMPLANTS

Conical Drills- External Irrigation (CEDP-ømm-Lmm)

CDEP-5.0 6, -8, -10, -11.5, -13, -16

CDEP-6.0 6, -8, -10, -11.5, -13

CDEP-4.2 6, -8, -10, -11.5, -13, -16

CDEP-3.75 6, -8, -10, -11.5, -13, -16

CDEP-3.3 6, -8, -10, -11.5, -13, -16

CDEP-3.0 6, -8, -10, -11.5, -13, -16

Motor Mount for Implant Self Loading -Hex 2.0
NL-MMIB-28
NL-MMIB-22

Ratchet Driver for Implant Hex 2.0
NL-RDI-L (long)
NL-RDI-M (short)

Motor Mount for Implant Self Loading -Hex 2.43
MMIB-28
MMIB-22

Ratchet Driver for Implant Hex 2.43
RDI-L (long)
RDI-M (short)

Direction Indicator Pin DPU

Drill Extender fo external irrigation drills DEX

Torque Ratchet 70NCM with Bending Arm TRU-70BG

Standard Drill 2.0 External Irrigation & Lance 2 in 1 (Ømm) DELD-2.0

Hard Bone Drills for Implants (Ømm)
CD-3.0
CD-3.3
CD-3.75
CD-4.2
CD-5.0

Hand Hex Driver for prosthetics 1.29 Hex
HHDA (long)
HHDA-S (short)

Motor Mount for Prosthetics 1.29 Hex
MMA-28

Ratchet Driver for Prosthetics 1.29 Hex
RDA-L (long)
RDA-M (short)

Art. No.	Description	PROTH.	RIBEU-PE	RIBUS-SE
NL-MMIB-22#	Motor Mount 22 mm L for Implant (for Hex 2.0 Narrow Line)		✓	✓
NL-MMIB-28#	Motor Mount 28 mm L for Implant (for Hex 2.0 Narrow Line)		✓	✓
NL-RDI-M#	Ratchet Driver for Implant, medium		✓	✓
NL-RDI-	Ratchet Driver for Implant, long		✓	✓
PPL	Parallel Pin Guide - 16 mm (long)			✓
PPS	Parallel Pin Guide - 10 mm (short)			✓
RDA-XS	Ratchet Driver for Prosthetics, short for Hex 1.29 mm	✓		
RDA-M	Ratchet Driver for Prosthetics, medium for Hex 1.29 mm	✓	✓	✓
RDA-L	Ratchet Driver for Prosthetics, long for Hex 1.29 mm	✓	✓	✓
RDI-M	Ratchet Driver for Implant with Ratschenkopf, medium for Hex 2.43 mm		✓	✓
RDI-L	Ratchet Driver for Implant with Ratschenkopf, long for Hex 2.43 mm		✓	✓
TRU-70BG	70 Ncm Torque Ratchet with Measuring Arm,	✓	✓	✓

#NL = Narrow Line for ø 3.0 and ø 3.3 mm Implants

SCAN ME

Crestal Bone Turbine   Stopper   Implant Diameter Indicator

Always 0.5 mm longer than Implant length

3 mm   2 mm
5 mm

Stopper

5 mm   3 mm   2 mm

Flatside Indicator

3 mm   1 mm

Flatside Indicator

3 mm   1 mm

Marking Tip
3 mm
Lance Drill

6 mm
8 mm
10 mm
11.5 mm
13 mm

13 mm
Twist Drill

16 mm

Guided Drills - External Irrigation
(Ømm-Lmm)

GSD-5.0-6

GSD-5.0-8

GSD-5.0-10

GSD-5.0-11.5

GSD-5.0-13

GSD-5.0-16

GSD-4.2-6

GSD-4.2-8

GSD-4.2-10

GSD-4.2-11.5

GSD-4.2-13

GSD-4.2-16

GSD-3.75-6

GSD-3.75-8

GSD-3.75-10

GSD-3.75-11.5

GSD-3.75-13

GSD-3.75-16

NL-GSD-3.3-10

NL-GSD-3.3-11.5

NL-GSD-3.3-13

NL-GSD-3.3-16

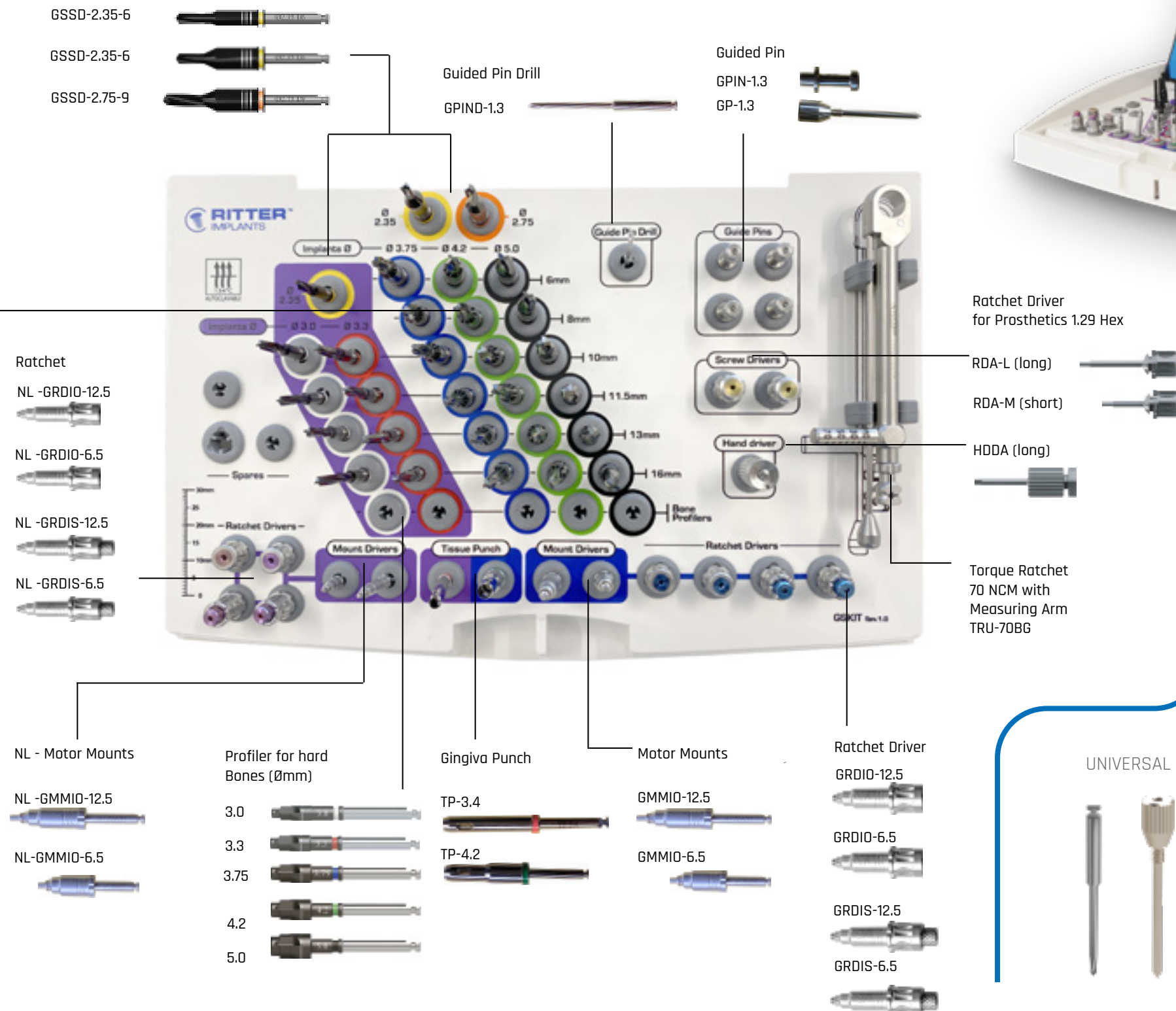NL-GSD-3.0-10

NL-GSD-3.0-11.5

NL-GSD-3.0-13

NL-GSD-3.0-16

Fully Guided Kit
navigated surgical kit

Art. No. GS-KIT

SCAN ME

This guided system contains all the tools and drills necessary to perform a guided operation with all diameters, including narrow line.
Class IIa (CE1023) Category

RITTER™ IMPLANTS

GSSD-2.35-6

GSSD-2.35-6

GSSD-2.75-9

Guided Pin Drill
GPIND-1.3

Guided Pin
GPIN-1.3
GP-1.3

Ratchet Driver for Prosthetics 1.29 Hex
RDA-L (long)

RDA-M (short)

HDDA (long)

Torque Ratchet 70 NCM with Measuring Arm TRU-70BG

Ratchet
NL -GRDIO-12.5

NL -GRDIO-6.5

NL -GRDIS-12.5

NL -GRDIS-6.5

NL - Motor Mounts
NL -GMMIO-12.5

NL-GMMIO-6.5

Profiler for hard Bones (Ømm)
3.0

3.3

3.75

4.2

5.0

Gingiva Punch
TP-3.4

TP-4.2

Motor Mounts
GMMIO-12.5

GMMIO-6.5

Ratchet Driver
GRDIO-12.5

GRDIO-6.5

GRDIS-12.5

GRDIS-6.5

STANDARD LINE
5.1mm
12.5mm Offset

NARROW LINE
3.4mm
12.5mm Offset

UNIVERSAL

Laboratory/Prosthetics Kit complete

Art. No. RIB-PROS

The Laboratory Kit with all the necessary tools for prosthetics components.

Hand Driver for prosthetic components 1.29 Hex

HHDA-L (long)

HHDA-S (short)

Drill extensions for externally irrigated drills
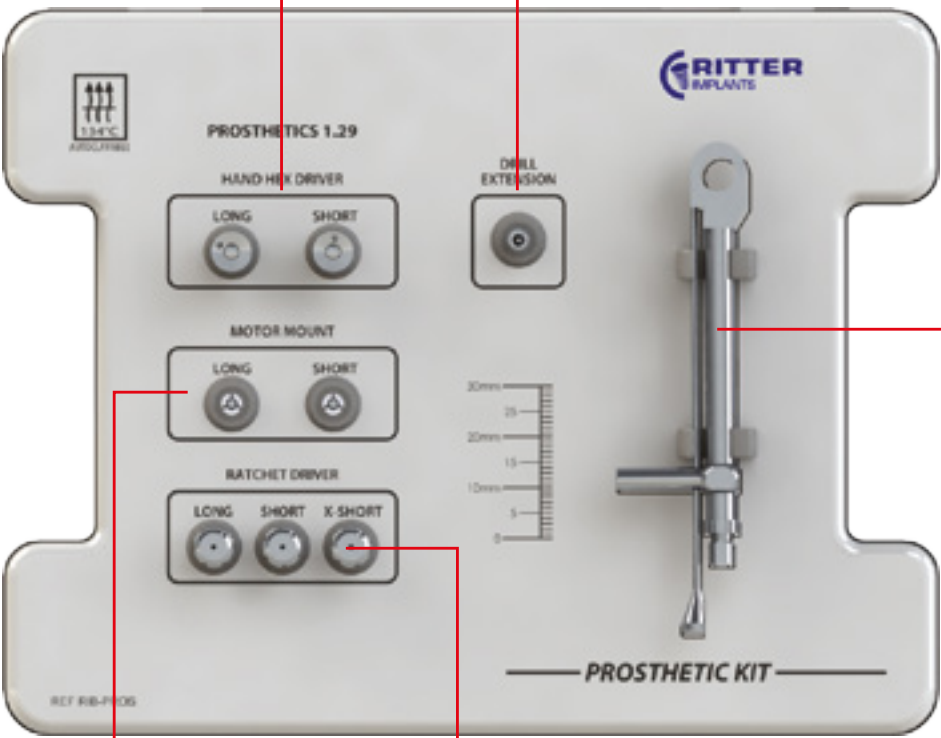
DEX

Motor-Ratchet Driver for Prosthetics 1.29 Hex

MMA-28

MMA-22

Ratchet Driver for Prosthetics 1.29 Hex

RDA-L (long)

RDA-M (medium)

RDA-S (short)
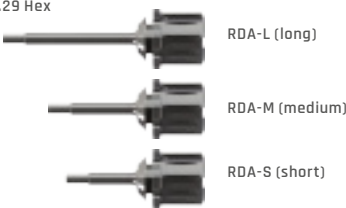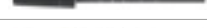
Surgical components, individually reorderable

Art. No.	Description	PROTH.	RIBEU-PE	RIBUS-SE
CD-3.0	Hardbone Drill	✓		
CD-3.3	Hardbone Drill	✓		
CD-3.75	Hardbone Drill	✓		
CD-4.2	Hardbone Drill	✓		
CD-5.0	Hardbone Drill	✓		
CD-6.0	Hardbone Drill	✓		
CDEP-3.0-6,8,10	Conical Drill, External Irrigation I 3 mm D I 10 mm L	✓		
CDEP-3.0-11.5	Conical Drill, External Irrigation I 3 mm D I 11.5 mm L	✓		
CDEP-3.0-13	Conical Drill, External Irrigation I 3 mm D I 13 mm L	✓		
CDEP-3.0-16	Conical Drill, External Irrigation I 3 mm D I 16 mm L	✓		
CDEP-3.3-6,8,10	Conical Drill, External Irrigation I 3.3 mm D I 10 mm L	✓		
CDEP-3.3-11.5	Conical Drill, External Irrigation I 3.3 mm D I 11.5 mm L	✓		
CDEP-3.3-13	Conical Drill, External Irrigation I 3.3 mm D I 13 mm L	✓		
CDEP-3.3-16	Conical Drill, External Irrigation I 3.3 mm D I 16 mm L	✓		
CDEP-3.75-6	Conical Drill, External Irrigation I 3.75 mm D I 6 mm L	✓		
CDEP-3.75-8	Conical Drill, External Irrigation I 3.75mm D I 8 mm L	✓		
CDEP-3.75-10	Conical Drill, External Irrigation I 3.75 mm D I 10 mm L	✓		
CDEP-3.75-11.5	Conical Drill, External Irrigation I 3.75 mm D I 11.5 mm L	✓		
CDEP-3.75-13	Conical Drill, External Irrigation I 3.75 mm D I 13 mm L	✓		
CDEP-3.75-16	Conical Drill, External Irrigation I 3.75 mm D I 16 mm L	✓		
CDEP-4.2-6	Conical Drill, External Irrigation I 4.2 mm D I 6 mm L	✓		
CDEP-4.2-8	Conical Drill, External Irrigation I 4.2 mm D I 8 mm L	✓		
CDEP-4.2-10	Conical Drill, External Irrigation I 4.2 mm D I 10 mm L	✓		
CDEP-4.2-11.5	Conical Drill, External Irrigation I 4.2 mm D I 11.5 mm L	✓		
CDEP-4.2-13	Conical Drill, External Irrigation I 4.2 mm D I 13 mm L	✓		
CDEP-4.2-16	Conical Drill, External Irrigation I 4.2 mm D I 16 mm L	✓		
CDEP-5-6	Conical Drill, External Irrigation I 5 mm D I 6 mm L	✓		
CDEP-5-8	Conical Drill, External Irrigation I 5 mm D I 8 mm L	✓		
CDEP-5-10	Conical Drill, External Irrigation I 5 mm D I 10 mm L	✓		
CDEP-5-11.5	Conical Drill, External Irrigation I 5 mm D I 11.5 mm L	✓		
CDEP-5-13	Conical Drill, External Irrigation I 5 mm D I 13 mm L	✓		
CDEP-5-16	Conical Drill, External Irrigation I 5 mm D I 16 mm L	✓		
CDEP-6-6	Conical Drill, External Irrigation I 6 mm D I 6mm L	✓		
CDEP-6-8	Conical Drill, External Irrigation I 6 mm D I 8 mm L	✓		
CDEP-6-10	Conical Drill, External Irrigation I 6 mm D I 10 mm L	✓		
CDEP-6-11.5	Conical Drill, External Irrigation I 6 mm D I 11.5 mm L	✓		
CDEP-6-13	Conical Drill, External Irrigation I 6 mm D I 13 mm L	✓		

RITTER™ IMPLANTS

Art. No.	Description	PROTH.	RIBEU-PE	RIBUS-SE
DELD-2.0	Multi Purpose 2.0 Lance Starter Marking Drill		✓	
DEP-2.0-16	Standard Drill 2.0 mm D | 16 mm L | External Irrigation			✓
DEP-2.5-16	Standard Drill 2.5 mm D | 16 mm L | External Irrigation			✓
DEP-2.8-16	Standard Drill 2.8 mm D | 16 mm L | External Irrigation		✓	✓
DEP-3.2-16	Standard Drill 3.2 mm D | 16 mm L | External Irrigation			✓
DEP-3.65-16	Standard Drill 3.65 mm D | 16 mm L | External Irrigation			✓
DEP-4.5-16	Standard Drill 4.5 mm D | 16 mm L | External Irrigation			✓
DEP-5.4-16	Standard Drill 5.4 mm D | 16 mm L | External Irrigation			✓
DEX	Drill Extension for External Irrigation Drill	✓	✓	✓
DEX-SLIM	ThinDrill Extension for External Irrigation			
DP-3.0	Direction Pins for 3.0 mm D Implants		✓	
DP-3.3	Direction Pins for 3.3 mm D Implants		✓	
DP-3.75	Direction Pins for 3.75 mm D Implants		✓	
DP-4.2	Direction Pins for 4.2 mm D Implants		✓	
DP-5.0	Direction Pins for 5.0 mm D Implants		✓	
DP-6.0	Direction Pins for 6.0 mm D Implants		✓	
DS-6	Drill Stopper 6 mm (Universal)			✓
DS-8	Drill Stopper 8 mm (Universal)			✓
DS-10	Drill Stopper 10 mm (Universal)			✓
DS-11.5	Drill Stopper 11.5 mm (Universal)			✓
DS-13	Drill Stopper 13 mm (Universal)			✓
HHDA-L	Hand Hex Driver for Prosthetics, Hex 1.29, long	✓	✓	✓
HHDA-S	Hand Hex Driver for Prosthetics, Hex 1.29, short	✓	✓	
IDP-S	Implant Depth Probe - single end			✓
MMA-22	Motor Mount 22 mm L for Prosthetics, (for Hex 1.29)	✓	✓	✓
MMA-28	Motor Mount 28 mm L for Prosthetics, (for Hex 1.29)	✓	✓	✓
MM-ADP-7	Motor Mount Adapter with Ballfriction 7 mm		✓	
MMIB-22	Motor Mount 22 mm L for Implant (for Hex 2.43)		✓	✓
MMIB-28	Motor Mount 28 mm L for Implant (for Hex 2.43)		✓	✓

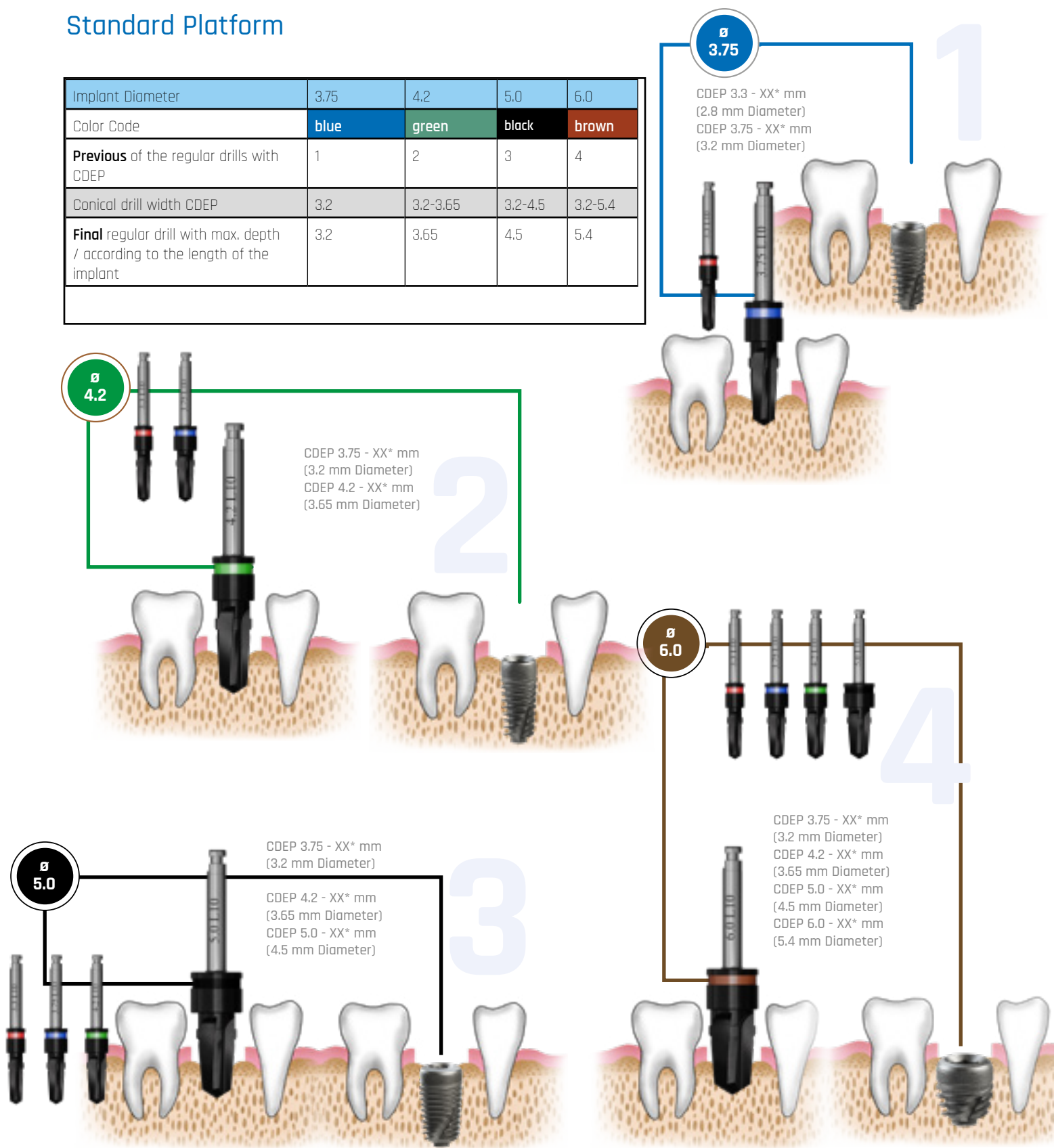| Art. No.	Description
IMPMTR110V	Implant Motor

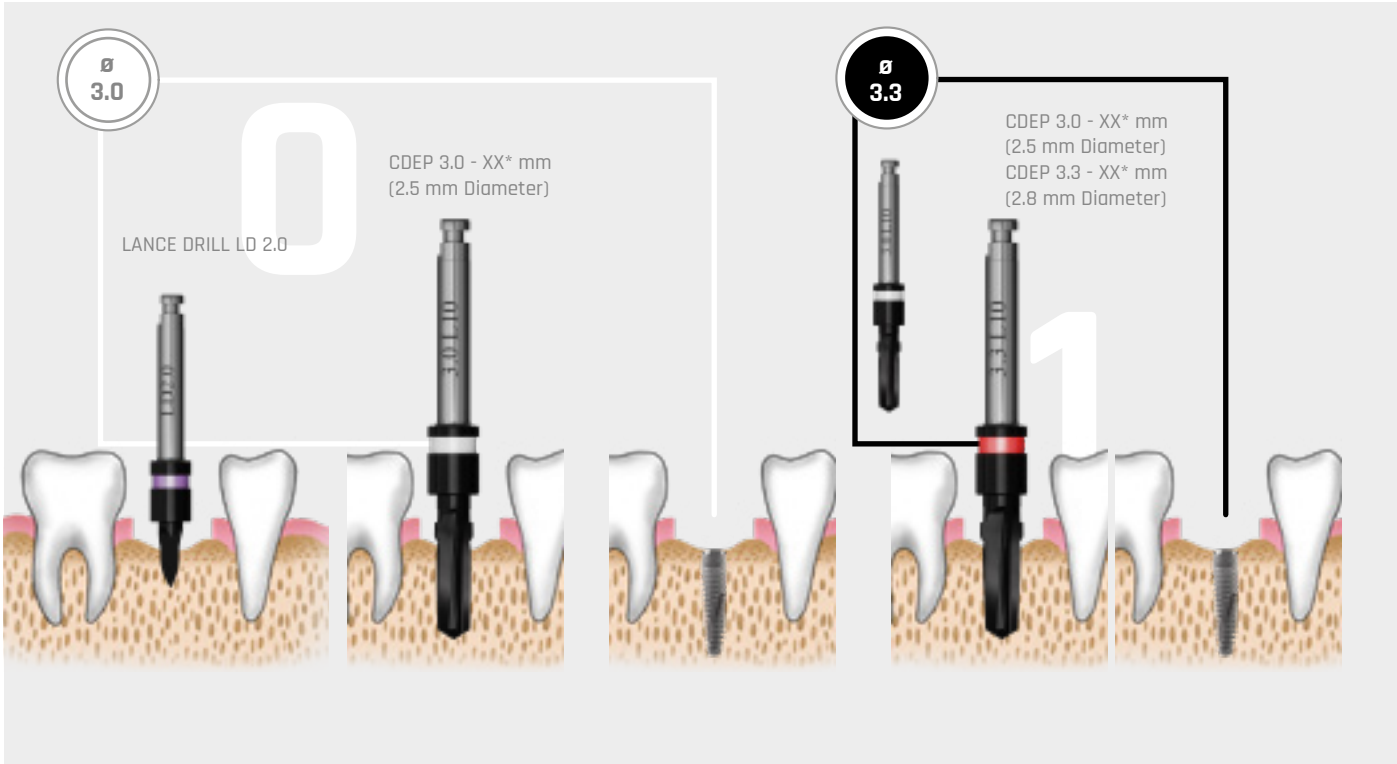| IMPMTR003	Implant Motor Sterile Replacement Tubes Connector Dm: 0.15cm Tube Dm: 0.3cm L:330cm

Drilling Sequence

Standard Platform

Implant Diameter	3.75	4.2	5.0	6.0
Color Code	blue	green	black	brown
Previous of the regular drills with CDEP	1	2	3	4
Conical drill width CDEP	3.2	3.2-3.65	3.2-4.5	3.2-5.4
Final regular drill with max. depth / according to the length of the implant	3.2	3.65	4.5	5.4

ø 3.75

CDEP 3.3 - XX* mm (2.8 mm Diameter)
CDEP 3.75 - XX* mm (3.2 mm Diameter)

ø 4.2

CDEP 3.75 - XX* mm (3.2 mm Diameter)
CDEP 4.2 - XX* mm (3.65 mm Diameter)

ø 6.0

CDEP 3.75 - XX* mm (3.2 mm Diameter)
CDEP 4.2 - XX* mm (3.65 mm Diameter)
CDEP 5.0 - XX* mm (4.5 mm Diameter)
CDEP 6.0 - XX* mm (5.4 mm Diameter)

ø 5.0

CDEP 3.75 - XX* mm (3.2 mm Diameter)
CDEP 4.2 - XX* mm (3.65 mm Diameter)
CDEP 5.0 - XX* mm (4.5 mm Diameter)

Narrow Line 3.0 and 3.3 mm Platform

Implant Diameter	NL-3	NL-3.3
Color Code	white	red
Previous of the regular drills with CDEP	-- only PilotDrill LD 2.0	1
Conical Drillwidth CDEP	--	2.8
Final regular drill with max. depth / according to the length of the implant	2.5	2.8

ø 3.0

CDEP 3.0 - XX* mm (2.5 mm Diameter)

LANCE DRILL LD 2.0

ø 3.3

CDEP 3.0 - XX* mm (2.5 mm Diameter)
CDEP 3.3 - XX* mm (2.8 mm Diameter)

Guided System Navigated surgery

Implant Diameter	NL-3	NL-3.3	3.75	4.2	5.0
Color Code	white	red	blue	green	black
Previous Drill GSD	--	1	1	2	3
Conical Drillwidth GSD	2.8	3.1	3.75	4.1	4.9
Final regular drill with max. depth / according to the length of the implant	2.8	3.1	3.75	3.75	4.9

* OPTIONAL - depending on Implant Length

The Natural German Implant System

Predictable. Reliable. Innovative.

TITANIUM

GRADE 5

RITTER™
IMPLANTS

SCAN ME

RI-US-V21.60.00