

DENTAL IMPLANTS



Implanting Trust, Smile again!

By combining cutting-edge technologies and biology, BTK's mission is to offer affordable and personalized implant-borne solutions thereby sustainably improving the daily life of dental patients. Together with leading professionals, BTK strives to become a reference in replacing missing teeth with trusted implant solutions in order to improve oral health around the globe.



PREMIUM QUALITY MATERIALS

Grade 4 commercially pure titanium (ASTM F 67 / ISO 5832-2) is BTK's material of choice for dental implants. While being somewhat more difficult to process, grade 4 provides the highest strength and durability characteristics among the commercially pure titanium grades, making it the natural choice for BTK dental implants.

Grade 5 commercially pure titanium (ASTM F 136 / ISO 5832-3) is used for BTK's prosthetic components, as these are subject to certain levels of stress, and for MINI implants. This high-strength version, also known as Ti-6Al-4V, is widely used in orthopedics and shows excellent long-term physical/mechanical properties.



DAE - ENDOSSEOUS SURFACE

Clinical trials confirm that roughened endosseous surfaces perform better than machined surfaces concerning endosseous wound healing, "de novo" bone formation and reduced time-to-loading.

Our DAE (dual acid-etched) process aims to obtain a moderately rough surface with a controlled micro-roughness.



IMPLANT- ABUTMENT CONNECTION

The precision of the connection between implant and abutment creating a tight seal may be beneficial in preventing inflammatory bacteria propagating in the interface between different components.

Apart from that, extremely low tolerances as applied by BTK help to avoid or reduce micromovements. Providing precision in every part produced is one of our key contributions ensuring long-term restorative success.



RESTORATIVE OPTIONS

Dental implant therapy has the main purpose to replace missing teeth and associated structures.

It is therefore pre-prosthetic surgery satisfying prosthodontic needs and indications. In order to achieve this objective, BTK offers a focused portfolio of restorative solutions backed-up by comprehensive clinical experience.

The available armamentarium meets patient's individual needs and clinicians' preferences.



MADE IN ITALY, USED GLOBALLY

We constantly ensure that the quality of our products and services meet the high expectations of our customers and their patients.

Specialized professionals are taking care to offer comprehensive solutions in applied research, engineering, education and related activities.

Our brand is a solid promise of quality, we are certified UNI EN ISO 9001, UNI EN ISO 13485 and MDD 93/42/EEC and subsequent amendments and additions.



CHARACTERIZATION OF BTK STANDARD IMPLANT LINES



BT KLASSIC INT

BT KLASSIC EXT

BT KLASSIC

This bone-level, cylindrical, traditional-type implant offers a parallel smooth neck portion between 0.7 mm-1.5 mm (depending on diameter / type) and is especially suitable for classic two-stage procedures, where the implant is placed at bone level and covered with surrounding soft tissue during the healing phase (two-stage healing).

BT KLASSIC employs either an internal (INT) or external (EXT) hexagon connection.

The fine V-thread pitch on the BT KLASSIC measures 0.6 mm for diameters Ø 3.25 mm / Ø 3.75 mm / Ø 4.00 mm and 0.9 mm for diameters Ø 4.25 mm and Ø 5.00 mm.

BT KLASSIC INT		Ø (mm)			
		● 3.25	○ 3.75	● 4.25	● 5.0
		IR		IM	IW
L (mm)	8,5	-	106IR37J	106IM42J	106IW50J
	10	106IR32L	106IR37L	106IM42L	106IW50L
	11,5	106IR32M	106IR37M	106IM42M	106IW50M
	13	106IR32P	106IR37P	106IM42P	106IW50P
	15	106IR32R	106IR37R	106IM42R	106IW50R

BT KLASSIC EXT		Ø (mm)				
		● 3.25	● 3.25 PL	○ 3.75	● 4.0	● 5.0
		EN	ER			EW
L (mm)	8,5	103EN32J	103ER32J	103ER37J	103ER40J	103EW50J
	10	103EN32L	103ER32L	103ER37L	103ER40L	103EW50L
	11,5	103EN32M	103ER32M	103ER37M	103ER40M	103EW50M
	13	103EN32P	103ER32P	103ER37P	103ER40P	103EW50P
	15	103EN32R	103ER32R	103ER37R	103ER40R	103EW50R
	18	-	-	-	103ER40T	-

COLOR CODES FOR DIFFERENT IMPLANT DIAMETERS

3.25 / 3.3	3.7 / 3.75	4.0 / 4.1	4.2 / 4.7	4.8 / 5.0	4.8 KW	6.0
PURPLE	WHITE	BLUE	GREY	YELLOW	DARK YELLOW	GREEN



BT KONIC

This bone-level, root-shaped type implant offers a parallel smooth neck portion of 1.0 mm (INT) - 1.2 mm (EXT) and is especially suitable for classic two-stage procedures, where the implant is placed at bone level and covered with surrounding soft tissue during the healing phase (two-stage healing).

BT KONIC employs either an internal (INT) or external (EXT) hexagon connection. The single-lead thread pitch on BT KONIC measures 0.8 mm - 0.9 mm for all diameters including Ø 3.25 mm / Ø 4.00 mm / Ø 5.00 mm.

BT KONIC INT		Ø (mm)		
		● 3.25	● 4.0	● 5.0
		IR		IW
L (mm)	8,5	-	108IR40J	108IW50J
	10	108IR32L	108IR40L	108IW50L
	11,5	108IR32M	108IR40M	108IW50M
	13	108IR32P	108IR40P	108IW50P
	15	108IR32R	108IR40R	108IW50R

BT KONIC EXT		Ø (mm)		
		● 3.25	● 4.0	● 5.0
		EN	ER	EW
L (mm)	8,5	-	107ER40J	107EW50J
	10	107EN32L	107ER40L	107EW50L
	11,5	107EN32M	107ER40M	107EW50M
	13	107EN32P	107ER40P	107EW50P
	15	107EN32R	107ER40R	107EW50R

CHARACTERIZATION OF BTK IMPLANT-ABUTMENT CONNECTIONS



MORSE-TAPER HEXAGON

BTK's morse-taper hexagon connection comprises a 2.6 mm conical portion at 11° above a hexagon configuration combined with a Ø M1.6 (KR) abutment screw to deliver adequate pre-load with a minimum of torque force application.



INTERNAL HEXAGON

BTK's internal hexagon connection comprises a parallel hexagon of 2 mm length opening with a small conical portion combined with a M1.8 abutment screw to deliver adequate pre-load with a minimum of torque force application.



EXTERNAL HEXAGON

BTK's external hexagon connection comprises a parallel hexagon at 0.7 mm height and a 90° shoulder to allow a flat-to-flat margin fit to the implant. Abutments are connected to the implant using a M1.8 (EN) or M2.0 (ER/EW) abutment screw.

KR = KONIC REGULAR	IR = INTERNAL REGULAR	EN = EXTERNAL NARROW
	IM = INTERNAL MEDIUM	ER = EXTERNAL REGULAR
KW = KONIC WIDE	IW = INTERNAL WIDE	EW = EXTERNAL WIDE



ISY KONE

This bone-level, root-shaped and self-tapping implant offers a back-tapered, micro-threaded smooth neck portion of 0,8-1,15 mm and is well suitable for most indications.

ISY KONE is placed at bone level and offers both, healing modes. The single-lead square thread pitch on ISY KONE measures 0.9 mm for all diameters including Ø 3.3 mm / Ø 3.7 mm / Ø 4.1 mm / Ø 4.8 mm / Ø 6 mm. ISY KONE is a highly versatile type of implant line as it offers three different abutment connections either external (EXT) or internal (INT) hexagon, or as a third option the well-proven 11° (MTH) hexagon having regular (KR) corresponding prosthetic components. It shares the surgical kit with BT SAFE and BT NANO.

ISY KONE MTH-INT

BT ISYKONE EXT

ISY KONE MTH		Ø (mm)				
		3.3	3.7	4.1	4.8	6.0
		KR				
L (mm)	8	129KR33J	129KR37J	129KR41J	129KR48J	129KR60J
	10	129KR33L	129KR37L	129KR41L	129KR48L	129KR60L
	12	129KR33N	129KR37N	129KR41N	129KR48N	-
	14	129KR33Q	129KR37Q	129KR41Q	129KR48Q	-
	16	-	129KR37S	129KR41S	-	-
	18	-	129KR37T	129KR41T	-	-

ISY KONE INT		Ø (mm)				
		3.3	3.7	4.1	4.8	
		IR			IW	
L (mm)	8	129IR33J	129IR37J	129IR41J	129IR48J	129IW48J
	10	129IR33L	129IR37L	129IR41L	129IR48L	129IW48L
	12	129IR33N	129IR37N	129IR41N	129IR48N	129IW48N
	14	129IR33Q	129IR37Q	129IR41Q	129IR48Q	129IW48Q
	16	-	129IR37S	129IR41S	-	-

ISY KONE EXT		Ø (mm)			
		3.3	3.7	4.1	4.8
		EN		ER	
L (mm)	8	131EN33J	131ER37J	131ER41J	131ER48J
	10	131EN33L	131ER37L	131ER41L	131ER48L
	12	131EN33N	131ER37N	131ER41N	131ER48N
	14	131EN33Q	131ER37Q	131ER41Q	131ER48Q
	16	-	131ER37S	131ER41S	-
	18	-	131ER37T	131ER41T	-

RECOMMENDED IMPLANT SELECTION BASED ON BONE DENSITY AND DRILLING PROTOCOL

IMPLANT DESIGN





BT SAFE / BT NANO

This bone-level, root-shaped and self-tapping implant offers a back-tapered, micro-threaded smooth neck portion of 0.7 mm and is well suitable for early or immediate placement following extraction or loss of natural teeth and / or for immediate loading applications in edentulous jaws as it provides excellent primary stability.

BT SAFE is placed at bone level and offers both healing modes. The double-lead square thread pitch on BT SAFE measures 2.4 mm for all diameters including \varnothing 3.3 mm / \varnothing 3.7 mm / \varnothing 4.1 mm / \varnothing 4.8 mm / \varnothing 6 mm. BT SAFE implant line offers one abutment connection based on the well-proven 11° morse-taper hexagon having regular (KR) or wide (KW) corresponding prosthetic components. The implant line is rounded off with the highly compact **BT NANO** implant (KW) for severely atrophic jaws. It shares the surgical kit with ISY KONE.

BT SAFE		\varnothing (mm)					
		● 3.3	○ 3.7	● 4.1	● 4.8	● 4.8	● 6.0
		KR			KW		
L (mm)	6	-	-	120KR41G	120KR48G	120KW48G	120KW60G
	8	-	120KR37J	120KR41J	120KR48J	120KW48J	120KW60J
	10	120KR33L	120KR37L	120KR41L	120KR48L	120KW48L	120KW60L
	12	120KR33N	120KR37N	120KR41N	120KR48N	120KW48N	-
	14	120KR33Q	120KR37Q	120KR41Q	120KR48Q	120KW48Q	-
	16	-	120KR37S	120KR41S	-	-	-
	18	-	-	120KR41T	-	-	-

BT NANO		\varnothing (mm)		
		● 4.2	● 4.8	● 6.0
		KW		
L (mm)	5	123KW42E	123KW48E	123KW60E
	6	123KW42G	123KW48G	123KW60G

SOLUTIONS FOR NON-STANDARD INDICATIONS



PTERIGO

- gradual conical shape
- self-tapping, flat apex
- alternative to maxillary sinus-lift

L (mm)		\varnothing (mm)	
		ER	
		● 4.7	
L (mm)	15	150ER47R	
	18	150ER47T	



MINI

- self-tapping, \varnothing 2.5mm / 1.9mm
- monotype, ball anchor
- for economic denture fixation

L (mm)		\varnothing (mm)	
		1.9	2.5
		L (mm)	10
11,5	IMI19115A		IMI25115A
13	IMI19130A		IMI25130A
15	IMI19150A		IMI25150A

BTK PERSONAL TUTOR

A program for individual case planning and execution supported by experienced professionals in order to leverage know-how and maximize clinical experience with the aim to achieve sustainable high patient satisfaction rates.

BTK is always at your disposal for any request for further follow-up or information, promoting periodic and ad-hoc training course.

CERTIFIED QUALITY SYSTEM

**BIOTEC is certified UNI EN ISO 9001
and UNI EN ISO 13485.**



CE marked product, in accordance with Directive 93/42/EEC and subsequent modifications and additions.

MADE IN ITALY USED GLOBALLY



We constantly ensure that the quality of our products and services meet the high expectations of our customers and their patients. Specialized professionals are taking care to offer comprehensive solutions in applied research, engineering, education and related activities.

